

# Converting Colors

XYZ(75.1722, 89.0488, 88.0230)

Have a look what the booklet for  
XYZ(75.1722, 89.0488, 88.0230)  
contains.

<b>XYZ(75.4206, 89.3736, 88.1387)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.4206, 89.3736,  
88.1387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FDE6
RGB	208, 253, 230
RGB Percent	82%, 99%, 90%
CMY	0.1843, 0.0078, 0.0980
CMYK	0.18, 0.00, 0.09, 0.01
HSL	149°, 92%, 90%
HSV	149°, 18%, 99%
XYZ	75.4206, 89.3736, 88.1387
YIQ	236.9230, -19.4370, -16.6930

# Conversions

## Conversions Part 2

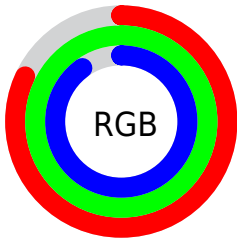
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 238, 253
Decimal	13696486
CIE <sub>Lab</sub>	95.74, -18.72, 6.25
CIE <sub>LCh</sub>	96, 19.739, 161.526
Yxy	89.3736, 0.2982, 0.3533
Android (android.graphics.Color)	4291886566 (0xFFD0FDE6)
YUV	236.9230, -3.4130, -25.3655
Hunter-Lab	94.5376, -23.0364, 10.8995

# Details

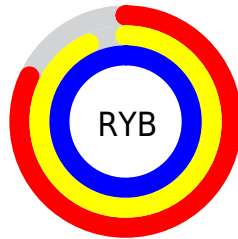
The XYZ color **75.4206, 89.3736, 88.1387** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4908, 71.7661, 85.3731**, and the grayscale version is **80.4752, 84.6662, 92.2015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6147, 49.3473, 47.9418** is the 20% darker color. If you saturate the color by 10%, you get **67.1179, 85.2980, 78.6199**, and if you desaturate by 10%, it is **84.9977, 94.0956, 98.4243**.

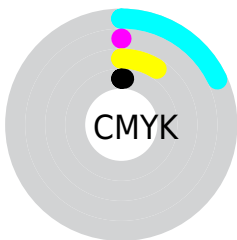
# Distribution



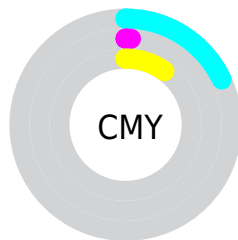
- Red (82%)
- Green (99%)
- Blue (90%)



- Red (82%)
- Yellow (93%)
- Blue (99%)



- Cyan (18%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)




- Cyan (18%)
- Magenta (1%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4206, 89.3736, 88.1387 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.4206, 89.3736, 88.1387 by changing the saturation by 10% instead.




 75.4206, 89.3736,  
88.1387

 75.4206, 89.3736,  
88.1387


468.3369,  
525.9911, 542.3704

 56.2529, 67.4612,  
65.8730

125.8923,  
146.4680, 146.6631

 40.6435, 49.4595,  
47.7134


157.9270,  
182.4188, 183.7588

 28.2271, 34.9842,  
33.2416


194.9814,  
223.8179, 226.6349

 18.6382, 23.6507,  
22.0390

237.4210,  
271.0496, 275.7100

 11.5116, 15.0747,  
13.6870

285.6109,  
324.4984, 331.4025

 6.4819, 8.8718,  
7.7670

339.9166,

 3.1837, 4.6577,

384.5487, 394.1311

3.8606

400.7035,  
451.5848, 464.3142

■ 1.2516, 2.0478,  
1.5492

■ 0.1466, 0.6350,  
0.2542

■ 75.4206, 89.3736,  
88.1387

■ 75.4206, 89.3736,  
88.1387

■ 67.1179, 85.2980,  
78.6199

■ 84.9977, 94.0956,  
98.4243

■ 60.0255, 81.8286,  
69.8440

■ 94.4170, 98.7339,  
108.6890

■ 54.0849, 78.9382,  
61.7947

■ 49.2296, 76.5926,  
54.4525

■ 45.3858, 74.7544,  
47.7971

■ 42.4700, 73.3808,  
41.8070

■ 40.3840, 72.4217,  
36.4592

■ 38.9981, 71.8105,  
31.7286

■ 38.7450, 71.7011,  
30.7614

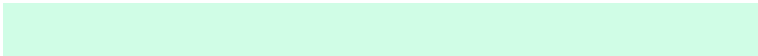
# Harmonies

## Analogous

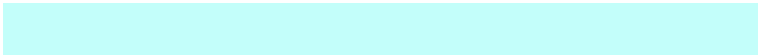
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2089, 89.3736, 76.5924



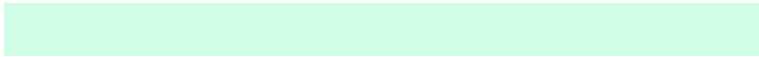
75.4206, 89.3736, 88.1387



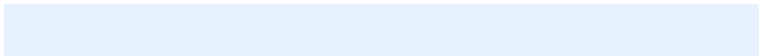
75.1184, 89.3736, 103.4130

# Triad

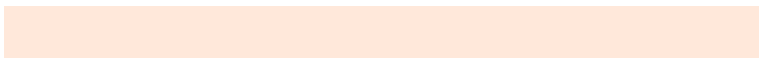
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4206, 89.3736, 88.1387



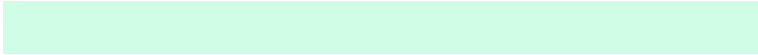
87.0511, 89.3736, 129.6631



93.0087, 89.3736, 78.7982

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.4206, 89.3736, 88.1387



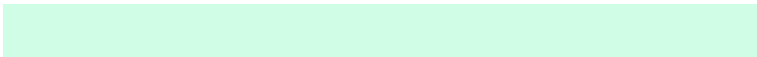
77.4908, 71.7661, 85.3731

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.5974, 89.3736, 91.4571



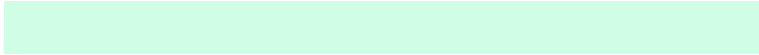
75.4206, 89.3736, 88.1387



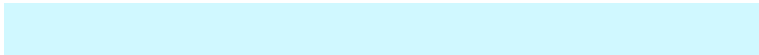
92.0612, 89.3736, 121.4685

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4206, 89.3736, 88.1387



81.6802, 89.3736, 128.5304



95.2434, 89.3736, 107.1021

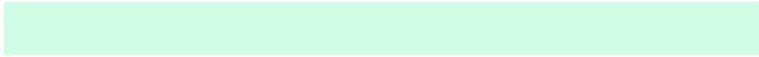


88.2997, 89.3736, 71.6093



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



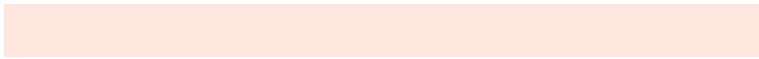
75.4206, 89.3736, 88.1387



76.3513, 89.3736, 113.8067



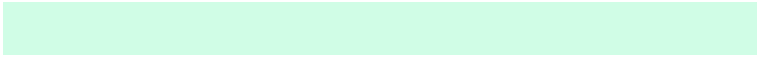
95.2434, 89.3736, 107.1021



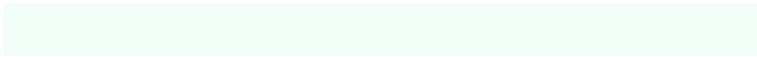
94.1646, 89.3736, 82.4946

# Sweetspot

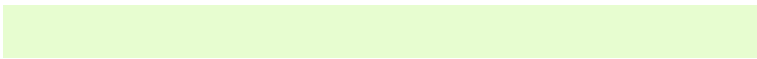
The Sweet Spot groups the original color and five complimentary colors.



75.4231, 89.3773, 88.1407



89.4821, 97.2488, 103.2549



79.5493, 91.8392, 73.2097



18.9912, 20.7355, 21.9344



0.0000, 0.0000, 0.0000

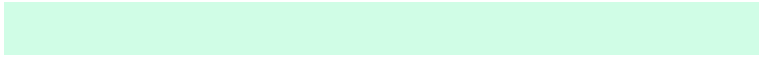


20.3446, 21.4041, 23.3091

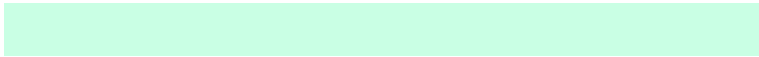


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4231, 89.3773, 88.1407



73.9206, 89.5808, 86.5232



78.7511, 90.7085, 105.6655



18.1416, 20.3162, 21.0489



20.6831, 38.1698, 16.7483



2.0688, 3.7385, 1.9203



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77.4908, 71.7661, 85.3731



76.3497, 68.8906, 83.2715



74.5442, 70.5874, 69.8565



18.3969, 18.1421, 20.7073



23.7419, 11.9861, 12.5573

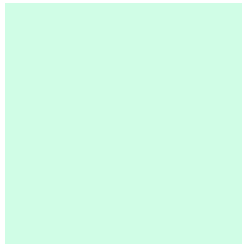


2.3669, 1.1891, 1.5134



# Previews

## White Background



This preview shows how the XYZ color 75.4206, 89.3736, 88.1387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

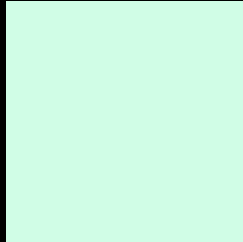
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4206, 89.3736, 88.1387 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

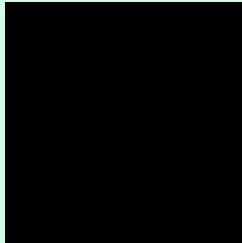
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

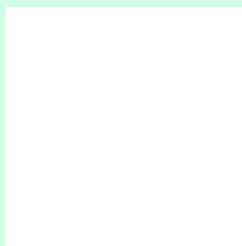
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.4206, 89.3736, 88.1387**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.4206, 89.3736, 88.1387.



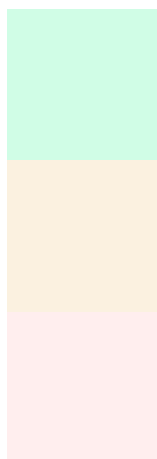
This preview shows how white text looks on a background with the XYZ color 75.4206, 89.3736,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.4206, 89.3736, 88.1387

### Protanopia

84.6935, 88.8016, 83.1976

### Deuteranopia

87.2472, 88.5821, 93.3886



## **Tritanopia**

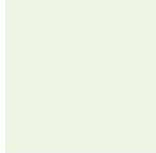
83.0155, 89.1828, 107.4464

# Trichromacy



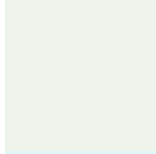
## Original Color

75.4206, 89.3736, 88.1387



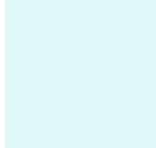
## Protanomaly

80.6408, 88.4580, 84.7754



## Deuteranomaly

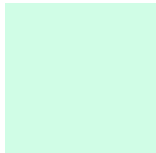
82.3059, 88.2765, 91.2983



## Tritanomaly

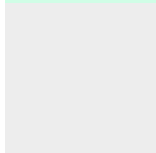
80.0207, 89.1608, 100.1810

# Monochromacy



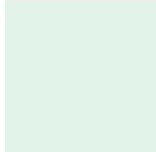
## Original Color

75.4206, 89.3736, 88.1387



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.2659, 86.2104, 90.3571

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4206, 89.3736, 88.1387 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(208, 253, 230)` looks like.

```
.text, #text, p{  
    color:rgb(208, 253, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(208, 253, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 253, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4206, 89.3736, 88.1387 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 253, 230) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(208, 253, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(208, 253, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 253, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 253, 230);  
box-shadow:4px 4px 4px 4px rgb(208, 253,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4206, 89.3736, 88.1387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 253, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(208,  
253, 230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor