

# Converting Colors

XYZ(75.0179, 90.0998, 88.6835)

Have a look what the booklet for  
XYZ(75.0179, 90.0998, 88.6835)  
contains.

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# Color

**XYZ(75.0856, 90.1269,  
89.0401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFE7
RGB	204, 255, 231
RGB Percent	80%, 100%, 91%
CMY	0.2000, 0.0000, 0.0941
CMYK	0.20, 0.00, 0.09, 0.00
HSL	152°, 100%, 90%
HSV	152°, 20%, 100%
XYZ	75.0856, 90.1269, 89.0401
YIQ	237.0150, -22.6920, -18.2760

# Conversions

## Conversions Part 2

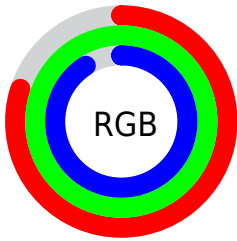
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 237, 255
Decimal	13434855
CIE <sub>Lab</sub>	96.05, -20.76, 6.16
CIE <sub>LCh</sub>	96, 21.653, 163.468
Yxy	90.1269, 0.2953, 0.3545
Android (android.graphics.Color)	4291624935 (0xFFCCFFE7)
YUV	237.0150, -2.9654, -28.9542
Hunter-Lab	94.9352, -24.9584, 10.8463

# Details

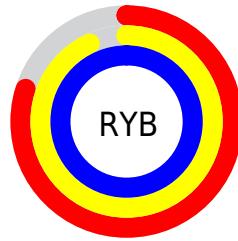
The XYZ color **75.0856, 90.1269, 89.0401** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.8369, 70.0480, 82.8696**, and the grayscale version is **80.5421, 84.7365, 92.2781**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3264, 49.8729, 48.0584** is the 20% darker color. If you saturate the color by 10%, you get **67.0220, 86.1590, 80.1174**, and if you desaturate by 10%, it is **84.4113, 94.7318, 98.6312**.

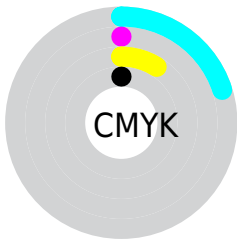
# Distribution



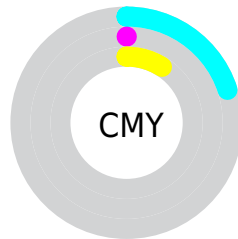
- Red (80%)
- Green (100%)
- Blue (91%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0856, 90.1269, 89.0401 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 75.0856, 90.1269, 89.0401 by changing the saturation by 10% instead.



 75.0856, 90.1269,  
89.0401

 75.0856, 90.1269,  
89.0401


467.2044,  
528.4436, 545.3927

 55.9774, 68.0859,  
66.6156

125.4208,  
147.5147, 147.9282

 40.4218, 49.9676,  
48.3126


157.3785,  
183.6302, 185.2288

 28.0532, 35.3877,  
33.7128


194.3502,  
225.2060, 228.3252

 18.5064, 23.9617,  
22.3975

236.7011,  
272.6266, 277.6359

 11.4161, 15.3052,  
13.9481

284.7966,  
326.2762, 333.5795

 6.4168, 9.0338,  
7.9463

339.0021,

 3.1432, 4.7633,

386.5393, 396.5744

3.9733

399.6829,  
453.8003, 467.0393

■ 1.2299, 2.1090,  
1.6107

■ 0.1298, 0.6697,  
0.2984

■ 75.0856, 90.1269,  
89.0401

■ 75.0856, 90.1269,  
89.0401

■ 67.0220, 86.1590,  
80.1174

■ 84.4113, 94.7318,  
98.6312

■ 60.1601, 82.7976,  
71.8442

95.0500, 100.0000,  
108.9000

■ 54.4380, 80.0109,  
64.2063

■ 49.7874, 77.7640,  
57.1878

■ 46.1316, 76.0176,  
50.7718

■ 43.3838, 74.7272,  
44.9404

■ 41.4403, 73.8399,  
39.6745

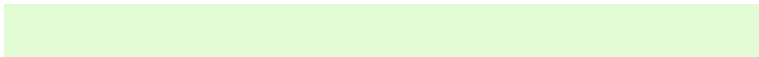
■ 40.1336, 73.2695,  
34.9511

■ 40.1335, 73.2694,  
34.9508

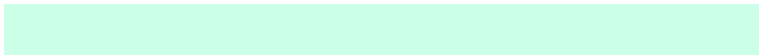
# Harmonies

## Analogous

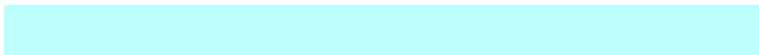
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9786, 90.1269, 76.0805



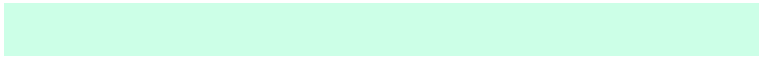
75.0856, 90.1269, 89.0401



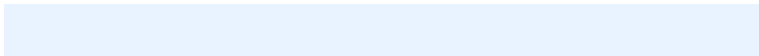
74.9397, 90.1269, 106.0205

# Triad

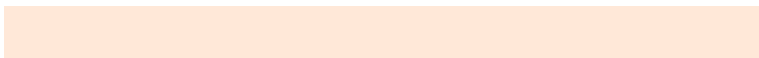
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0856, 90.1269, 89.0401



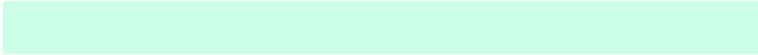
88.3745, 90.1269, 133.8469



94.2997, 90.1269, 77.1380

# Complementary

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



75.0856, 90.1269, 89.0401



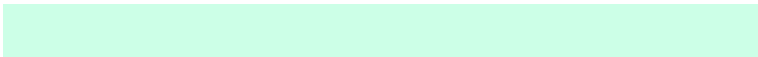
76.8369, 70.0480, 82.8696

# 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.



97.3632, 90.1269, 90.6465



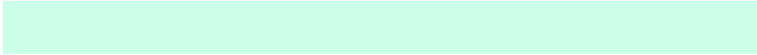
75.0856, 90.1269, 89.0401



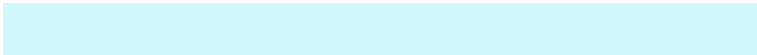
93.8362, 90.1269, 124.0812

# Square

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



75.0856, 90.1269, 89.0401



82.4262, 90.1269, 133.2862



97.1897, 90.1269, 107.8245

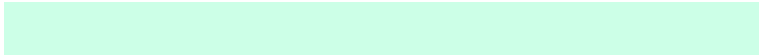


88.9833, 90.1269, 69.7773



# Rectangle

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



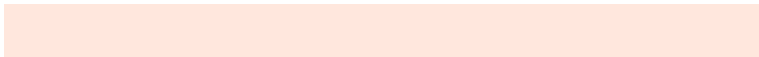
75.0856, 90.1269, 89.0401



76.4068, 90.1269, 117.4777



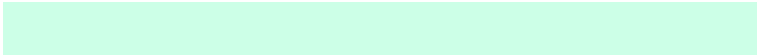
97.1897, 90.1269, 107.8245



95.6380, 90.1269, 81.0375

# Sweetspot

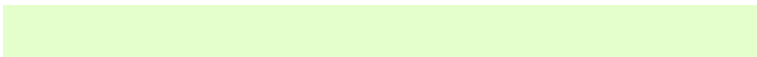
The Sweet Spot groups the original color and five complimentary colors.



75.0864, 90.1273, 89.0415



88.5057, 96.7577, 102.6560



78.8611, 92.4804, 70.8219



18.7976, 20.6377, 21.8303



0.0000, 0.0000, 0.0000

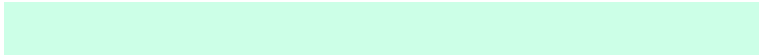


20.3446, 21.4041, 23.3091

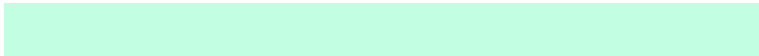


# Same Dimension

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



75.0864, 90.1273, 89.0415



71.7119, 88.4649, 85.3922



78.4418, 91.0365, 108.0452



18.1735, 20.3289, 21.2165



21.0468, 38.3153, 18.6636



2.1045, 3.7527, 2.1081



# Inverse Universe

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



76.8369, 70.0480, 82.8696



73.7525, 65.0607, 78.1995



73.9352, 69.2115, 66.5902



18.3652, 18.1294, 20.5402



23.3941, 11.8469, 10.7257

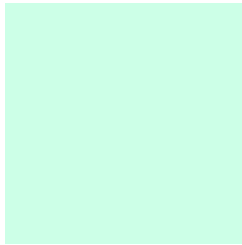


2.3325, 1.1754, 1.3321



# Previews

## White Background



This preview shows how the XYZ color 75.0856, 90.1269, 89.0401 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

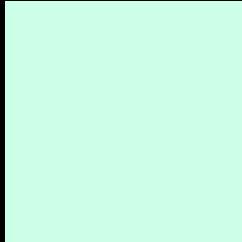
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0856, 90.1269, 89.0401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

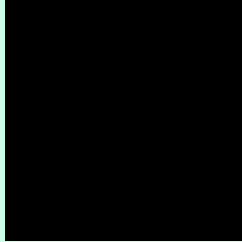
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

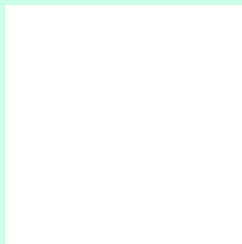
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.0856, 90.1269, 89.0401

## Background



This preview shows how black text looks on a background with the XYZ color 75.0856, 90.1269, 89.0401.



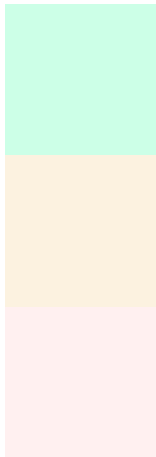
This preview shows how white text looks on a background with the XYZ color 75.0856, 90.1269,

89.0401.

# 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

75.0856, 90.1269, 89.0401

### Protanopia

85.3516, 89.5815, 83.3135

### Deuteranopia

88.1283, 89.8714, 95.1401



## Tritanopia

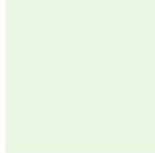
83.6389, 89.9545, 107.5625

# Trichromacy



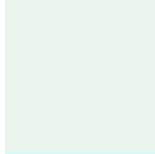
## Original Color

75.0856, 90.1269, 89.0401



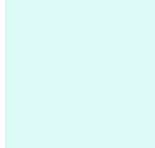
## Protanomaly

81.3868, 89.7297, 85.7031



## Deuteranomaly

82.5305, 89.2521, 92.9983



## Tritanomaly

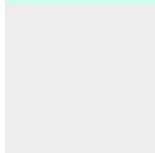
80.3290, 89.7773, 100.2837

# Monochromacy



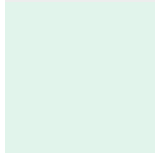
## Original Color

75.0856, 90.1269, 89.0401



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.3974, 86.7071, 91.2014

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0856, 90.1269, 89.0401 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(204, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 231)  
}
```

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(204, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0856, 90.1269, 89.0401 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".

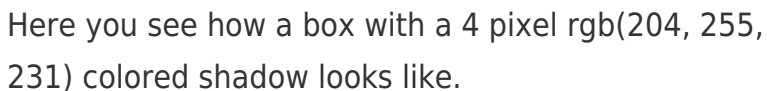
```
.border, #border, table{ border:4px solid rgb(204, 255, 231) }
```



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

```
.border{ border-color:rgb(204, 255, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(204, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 255, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 255, 231); box-shadow:4px 4px 4px 4px rgb(204, 255, 231) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0856, 90.1269, 89.0401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 231) }
```

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

```
.background{ background-color: rgb(204,  
255, 231) }
```

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](#).

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