

# Converting Colors

XYZ(72.9582, 89.3798, 73.1420)

Have a look what the booklet for  
XYZ(72.9582, 89.3798, 73.1420)  
contains.

<b>XYZ(72.8773, 89.3395, 73.0777)</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(72.8773, 89.3395,  
73.0777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFFD0
RGB	207, 255, 208
RGB Percent	81%, 100%, 82%
CMY	0.1882, 0.0000, 0.1843
CMYK	0.19, 0.00, 0.18, 0.00
HSL	121°, 100%, 91%
HSV	121°, 19%, 100%
XYZ	72.8773, 89.3395, 73.0777
YIQ	235.2900, -13.5210, -24.7930

# Conversions

## Conversions Part 2

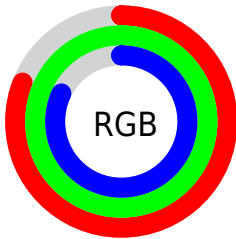
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 254, 255
Decimal	13631440
CIE Lab	95.72, -23.92, 17.52
CIE LCh	96, 29.651, 143.789
Yxy	89.3395, 0.3097, 0.3797
Android (android.graphics.Color)	4291821520 (0xFFCFFFD0)
YUV	235.2900, -13.4540, -24.8103
Hunter-Lab	94.5196, -27.7806, 20.3237

# Details

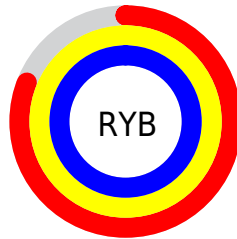
The XYZ color **72.8773, 89.3395, 73.0777** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.4424, 73.0420, 103.5714**, and the grayscale version is **79.2928, 83.4222, 90.8468**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9757, 49.3967, 38.0521** is the 20% darker color. If you saturate the color by 10%, you get **63.4846, 84.8248, 57.8450**, and if you desaturate by 10%, it is **83.9055, 94.6413, 90.9140**.

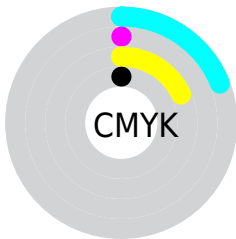
# Distribution



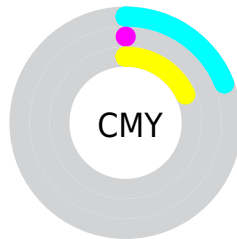
- Red (81%)
- Green (100%)
- Blue (82%)



- Red (81%)
- Yellow (100%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (19%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8773, 89.3395, 73.0777 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 72.8773, 89.3395, 73.0777 by changing the saturation by 10% instead.




 72.8773, 89.3395,  
73.0777

 72.8773, 89.3395,  
73.0777


459.6998,  
525.8799, 490.3621

 54.1637, 67.4330,  
53.5473

122.3071,  
146.4206, 125.3094

 38.9637, 49.4366,  
37.8491


153.7539,  
182.3639, 158.8479

 26.9121, 34.9659,  
25.5647

190.1759,  
223.7550, 197.8927

 17.6435, 23.6366,  
16.2754

231.9383,  
270.9782, 242.8625

 10.7924, 15.0643,  
9.5628

279.4066,  
324.4179, 294.1758

 5.9937, 8.8645,  
5.0083

332.9460,

 2.8819, 4.6529,

384.4584, 352.2511

2.1933

392.9220,  
451.4843, 417.5070

■ 1.0916, 2.0451,  
0.6705

■ 0.0181, 0.6335,  
0.0000

■ 72.8773, 89.3395,  
73.0777

■ 72.8773, 89.3395,  
73.0777

■ 63.4846, 84.8248,  
57.8450

■ 83.9055, 94.6413,  
90.9140

■ 55.6478, 81.0589,  
45.0903

95.0500, 100.0000,  
108.9000

■ 49.2834, 78.0017,  
34.6838

■ 44.2995, 75.6088,  
26.4824

■ 40.5938, 73.8309,  
20.3274

■ 38.0500, 72.6118,  
16.0387

■ 36.5304, 71.8851,  
13.4052

■ 35.8428, 71.5575,  
12.1599

■ 35.7891, 71.5317,  
12.0734

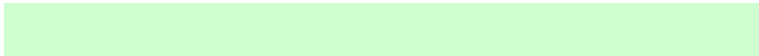
# Harmonies

## Analogous

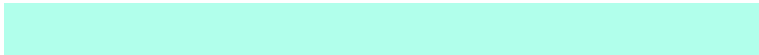
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7435, 89.3395, 61.6887



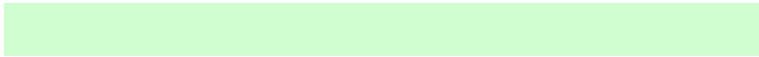
72.8773, 89.3395, 73.0777



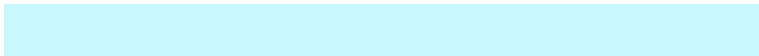
70.2564, 89.3395, 92.4957

# Triad

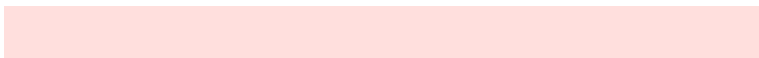
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8773, 89.3395, 73.0777



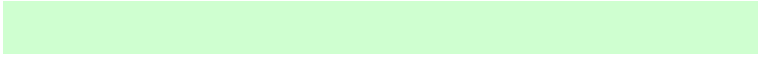
83.2287, 89.3395, 149.1156



100.0910, 89.3395, 80.2577

# Complementary

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



72.8773, 89.3395, 73.0777



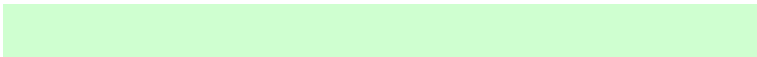
81.4424, 73.0420, 103.5714

# 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.



101.4816, 89.3395, 102.2172



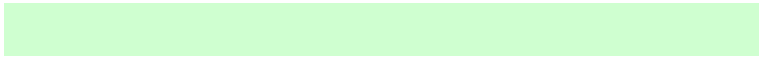
72.8773, 89.3395, 73.0777



91.3998, 89.3395, 144.4419

# Square

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



72.8773, 89.3395, 73.0777



75.9812, 89.3395, 138.2079



98.2092, 89.3395, 126.2999

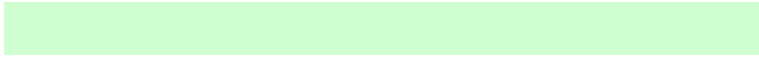


94.5220, 89.3395, 65.3462



# Rectangle

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



72.8773, 89.3395, 73.0777



70.5741, 89.3395, 108.3797



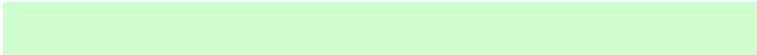
98.2092, 89.3395, 126.2999



101.0768, 89.3395, 86.9569

# Sweetspot

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



72.8779, 89.3398, 73.0791



87.3244, 96.2852, 96.4353



87.9689, 97.1337, 73.1446



18.5191, 20.5263, 20.3635



0.0000, 0.0000, 0.0000

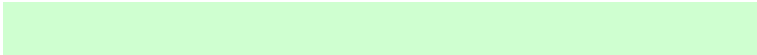


20.3446, 21.4041, 23.3091

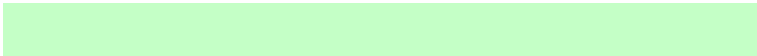


# Same Dimension

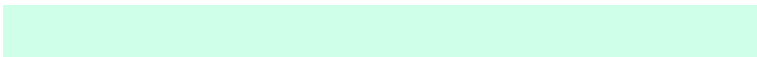
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8779, 89.3398, 73.0791



68.7599, 87.3603, 66.4063



76.0297, 90.6005, 89.6760



17.7869, 20.1743, 19.1810



18.7072, 37.3795, 6.3435



1.8266, 3.6416, 0.6448



# Inverse Universe

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



81.4424, 73.0420, 103.5714



78.9127, 68.0394, 102.5527



77.8643, 71.6108, 84.7291



18.7754, 18.2935, 22.7002



30.5466, 14.7079, 48.3902

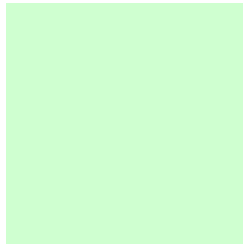


2.9792, 1.4341, 4.7380



# Previews

## White Background



This preview shows how the XYZ color 72.8773, 89.3395, 73.0777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

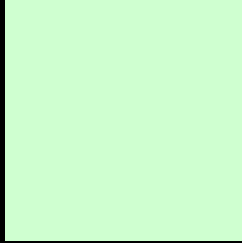
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8773, 89.3395, 73.0777 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

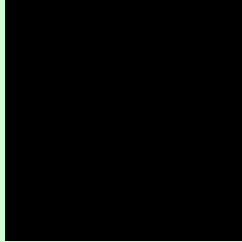
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

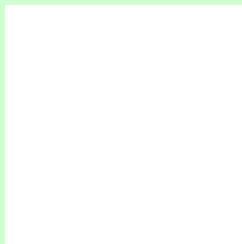
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.8773, 89.3395, 73.0777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8773, 89.3395, 73.0777.



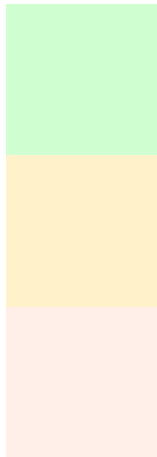
This preview shows how white text looks on a background with the XYZ color 72.8773, 89.3395,

73.0777.

# 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

72.8773, 89.3395, 73.0777

### Protanopia

83.7716, 89.0761, 69.2781

### Deuteranopia

86.6720, 88.8192, 88.9196



## **Tritanopia**

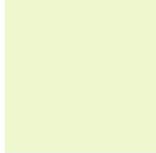
83.3355, 89.3478, 107.4613

# Trichromacy



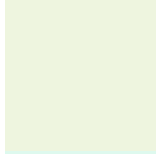
## Original Color

72.8773, 89.3395, 73.0777



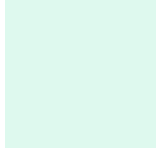
## Protanomaly

79.5401, 89.1064, 70.7647



## Deuteranomaly

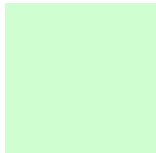
81.2316, 88.8097, 82.6727



## Tritanomaly

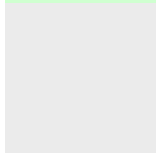
79.4325, 89.4540, 93.9687

# Monochromacy



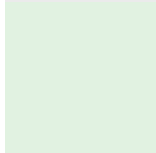
## Original Color

72.8773, 89.3395, 73.0777



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.3941, 84.9481, 83.6044

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8773, 89.3395, 73.0777 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(207, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 208)  
}
```

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(207, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8773, 89.3395, 73.0777 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".

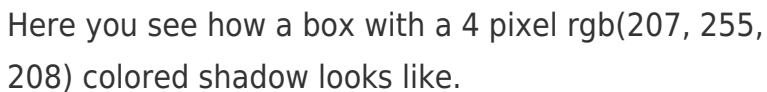
```
.border, #border, table{ border:4px solid rgb(207, 255, 208) }
```



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

```
.border{ border-color:rgb(207, 255, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8773, 89.3395, 73.0777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 208) }
```

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

```
.background{ background-color: rgb(207,  
255, 208) }
```

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