

# Converting Colors

XYZ(66.9645, 76.7275, 89.5751)

Have a look what the booklet for  
XYZ(66.9645, 76.7275, 89.5751)  
contains.

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# Color

**XYZ(67.2094, 77.0169,  
89.9207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3EBEB
RGB	195, 235, 235
RGB Percent	76%, 92%, 92%
CMY	0.2353, 0.0784, 0.0784
CMYK	0.17, 0.00, 0.00, 0.08
HSL	180°, 50%, 84%
HSV	180°, 17%, 92%
XYZ	67.2094, 77.0169, 89.9207
YIQ	223.0400, -23.8400, -8.4800

# Conversions

## Conversions Part 2

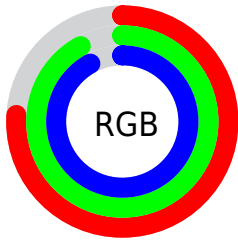
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 215, 235
Decimal	12839915
CIELab	90.33, -12.86, -4.32
CIELCh	90, 13.569, 198.544
Yxy	77.0169, 0.2870, 0.3289
Android (android.graphics.Color)	4291029995 (0xFFC3EBEB)
YUV	223.0400, 5.8963, -24.5911
Hunter-Lab	87.7593, -16.8766, 0.6812

# Details

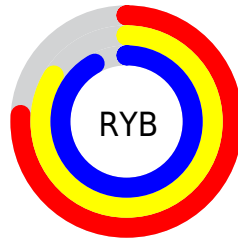
The XYZ color **67.2094, 77.0169, 89.9207** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.6291, 60.6346, 59.9831**, and the grayscale version is **70.1410, 73.7938, 80.3615**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **35.2413, 41.1576, 48.7346** is the 20% darker color. If you saturate the color by 10%, you get **61.6092, 74.1320, 89.6588**, and if you desaturate by 10%, it is **73.7697, 80.4008, 90.2307**.

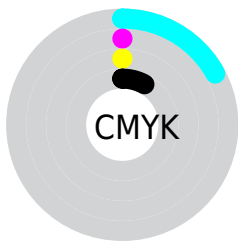
# Distribution



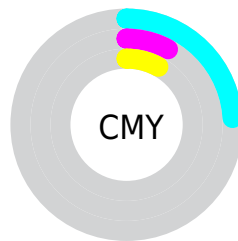
- Red (76%)
- Green (92%)
- Blue (92%)



- Red (76%)
- Yellow (84%)
- Blue (92%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (24%)
- Magenta (8%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2094, 77.0169, 89.9207 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 67.2094, 77.0169, 89.9207 by changing the saturation by 10% instead.



67.2094, 77.0169,  
89.9207

67.2094, 77.0169,  
89.9207

440.1105,  
484.8216, 548.3363

49.5261, 57.2667,  
67.3415

114.2686,  
129.1633, 149.1628

35.2533, 41.2194,  
48.8989

144.3752,  
162.3284, 186.6628

24.0255, 28.4906,  
34.1742

179.3536,  
200.7339, 229.9735

15.4774, 18.6958,  
22.7490

219.5692,  
244.7642, 279.5134

9.2436, 11.4507,  
14.2048

265.3873,  
294.8038, 335.7011

4.9588, 6.3708,  
8.1228

317.1734,

2.2576, 3.0719,

351.2369, 398.9552

4.0848

375.2927,  
414.4481, 469.6940

■ 0.7728, 1.1694,  
1.6720

■ 0.0000, 0.0365,  
0.3414

■ 67.2094, 77.0169,  
89.9207

■ 67.2094, 77.0169,  
89.9207

■ 61.6092, 74.1320,  
89.6588

■ 73.7697, 80.4008,  
90.2307

■ 56.9178, 71.7135,  
89.4379

■ 81.3250, 84.2957,  
90.5857

■ 53.0893, 69.7398,  
89.2573

■ 85.9461, 86.6780,  
90.8034

■ 50.0711, 68.1840,  
89.1147

■ 85.9464, 86.6781,  
90.8048

47.8051, 67.0158,  
89.0072

85.9467, 86.6782,  
90.8062

46.2250, 66.2013,  
88.9319

85.9469, 86.6783,  
90.8076

45.2536, 65.7005,  
88.8850

85.9472, 86.6784,  
90.8090

44.7908, 65.4620,  
88.8620

85.9475, 86.6785,  
90.8104

44.7031, 65.4168,  
88.8574

85.9477, 86.6786,  
90.8119

# Harmonies

## Analogous

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



67.0131, 77.0169, 80.2139



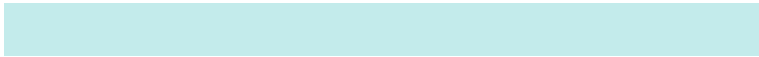
67.2094, 77.0169, 89.9207



68.9815, 77.0169, 98.6023

# Triad

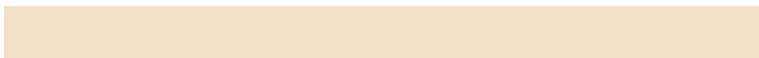
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.2094, 77.0169, 89.9207



78.1840, 77.0169, 96.8001



74.5013, 77.0169, 66.9004

# Complementary

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



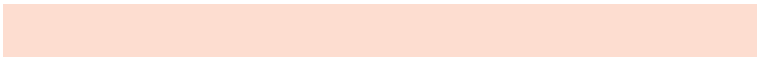
67.2094, 77.0169, 89.9207



63.6291, 60.6346, 59.9831

# 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.



77.5917, 77.0169, 70.6626



67.2094, 77.0169, 89.9207



79.7612, 77.0169, 87.6114

# Square

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



67.2094, 77.0169, 89.9207



75.2895, 77.0169, 102.7801



79.5412, 77.0169, 78.0747



71.1539, 77.0169, 67.4142

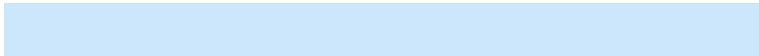


# Rectangle

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



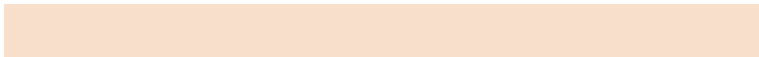
67.2094, 77.0169, 89.9207



70.8496, 77.0169, 102.4098



79.5412, 77.0169, 78.0747



75.6064, 77.0169, 67.6945

# Sweetspot

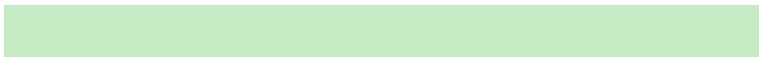
The Sweet Spot groups the original color and five complimentary colors.



67.2116, 77.0201, 89.9224



90.5137, 97.6615, 108.6869



62.2393, 75.0511, 62.8371



19.2425, 20.8359, 23.2573



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.



67.2116, 77.0201, 89.9224



78.7112, 91.5771, 108.1320



61.9739, 66.5438, 88.1788



15.5177, 17.1219, 19.4090



24.8782, 36.4057, 49.4511



1.9536, 2.8587, 3.8832



# Inverse Universe

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



63.6291, 60.6346, 59.9831



73.7324, 68.8056, 66.5240



68.2450, 69.8671, 61.5200



15.0656, 15.0541, 15.6307



19.0679, 9.8298, 0.8928

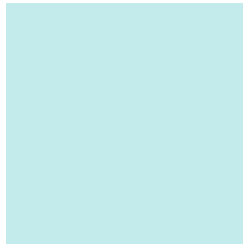


1.4973, 0.7719, 0.0702



# Previews

## White Background



This preview shows how the XYZ color 67.2094, 77.0169, 89.9207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

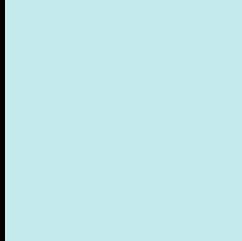
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.2094, 77.0169, 89.9207 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

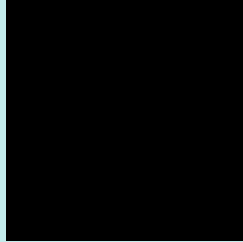
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.2094, 77.0169, 89.9207

## Background



This preview shows how black text looks on a background with the XYZ color 67.2094, 77.0169, 89.9207.



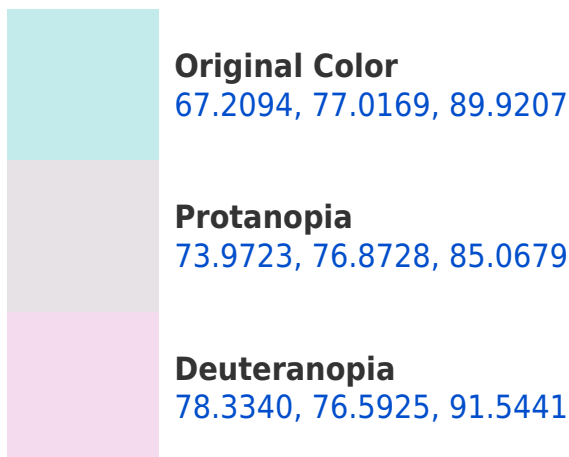
This preview shows how white text looks on a background with the XYZ color 67.2094, 77.0169,



# 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

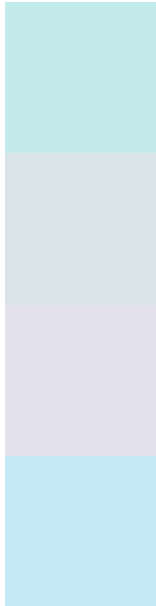




## Tritanopia

69.8402, 77.2486, 102.4963

# Trichromacy



## Original Color

67.2094, 77.0169, 89.9207

## Protanomaly

71.0584, 76.5599, 86.6337

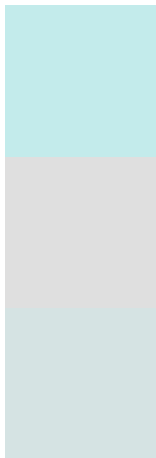
## Deuteranomaly

73.5753, 76.1336, 90.9382

## Tritanomaly

68.9302, 77.3085, 97.6752

# Monochromacy



## Original Color

67.2094, 77.0169, 89.9207

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

68.7748, 74.6304, 83.4533

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2094, 77.0169, 89.9207 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(195, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(195, 235, 235)  
}
```

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(195, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 235, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2094, 77.0169, 89.9207 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(195, 235, 235) }
```



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

```
.border{ border-color:rgb(195, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(195, 235,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2094, 77.0169, 89.9207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 235, 235) }
```

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

```
.background{ background-color: rgb(195,  
235, 235) }
```

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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