

# Converting Colors

XYZ(67.5122, 80.3694, 96.3338)

Have a look what the booklet for  
XYZ(67.5122, 80.3694, 96.3338)  
contains.

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# Color

**XYZ(67.6060, 80.5793,  
95.9945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7F3F2
RGB	183, 243, 242
RGB Percent	72%, 95%, 95%
CMY	0.2823, 0.0470, 0.0510
CMYK	0.25, 0.00, 0.00, 0.05
HSL	179°, 71%, 84%
HSV	179°, 25%, 95%
XYZ	67.6060, 80.5793, 95.9945
YIQ	224.9460, -35.4390, -13.0310

# Conversions

## Conversions Part 2

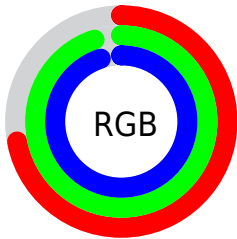
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">183, 213, 243</a>
Decimal	<a href="#">12055538</a>
CIELab	<a href="#">91.94, -18.95, -5.66</a>
CIELCh	<a href="#">92, 19.779, 196.642</a>
Yxy	<a href="#">80.5793, 0.2769, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4290245618</a> ( <a href="#">0xFFB7F3F2</a> )
YUV	<a href="#">224.9460, 8.4076, -36.7866</a>
Hunter-Lab	<a href="#">89.7660, -22.6557, -0.5677</a>

# Details

The XYZ color **67.6060, 80.5793, 95.9945** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.5502, 56.3845, 52.9371**, and the grayscale version is **71.4909, 75.2140, 81.9080**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **35.5353, 43.6750, 53.0116** is the 20% darker color. If you saturate the color by 10%, you get **62.2574, 77.8311, 95.4277**, and if you desaturate by 10%, it is **73.9573, 83.8485, 96.6124**.

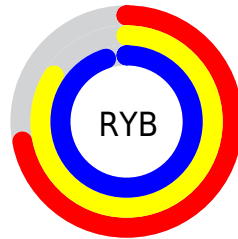
# Distribution



Red (72%)

Green (95%)

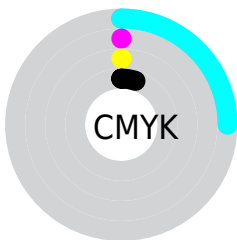
Blue (95%)



Red (72%)

Yellow (84%)

Blue (95%)

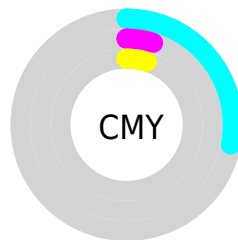


Cyan (25%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (28%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6060, 80.5793, 95.9945 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 67.6060, 80.5793, 95.9945 by changing the saturation by 10% instead.



67.6060, 80.5793,  
95.9945

67.6060, 80.5793,  
95.9945

441.4974,  
496.8830, 568.4093

49.8498, 60.1952,  
72.3615

114.8333,  
134.1799, 157.6452

35.5114, 43.5760,  
52.9654

145.0351,  
168.1651, 196.5000

24.2254, 30.3373,  
37.3876

180.1162,  
207.4529, 241.2659

15.6265, 20.0947,  
25.2096

220.4418,  
252.4276, 292.3613

9.3494, 12.4639,  
16.0129

266.3774,  
303.4735, 350.2048

5.0287, 7.0605,  
9.3788

318.2883,

2.2991, 3.4999,

360.9751, 415.2149

4.8889

376.5399,  
425.3168, 487.8103

■ 0.7942, 1.3980,  
2.1246

■ 0.0000, 0.2152,  
0.6304

■ 67.6060, 80.5793,  
95.9945

■ 67.6060, 80.5793,  
95.9945

■ 62.2574, 77.8311,  
95.4277

■ 73.9573, 83.8485,  
96.6124

■ 57.8531, 75.5676,  
94.9041

■ 81.3518, 87.6534,  
97.2781

■ 54.3398, 73.7635,  
94.4228

■ 89.5030, 91.8485,  
97.9799

■ 51.6556, 72.3867,  
93.9811

■ 89.5645, 91.8731,  
98.3038

■ 49.7312, 71.4016,  
93.5756

■ 89.6262, 91.8977,  
98.6285

■ 48.4856, 70.7665,  
93.2027

■ 89.6880, 91.9224,  
98.9539

■ 47.8198, 70.4302,  
92.8575

■ 89.7499, 91.9472,  
99.2800

■ 47.6234, 70.3326,  
92.6819

■ 89.8120, 91.9720,  
99.6068

■ 89.8742, 91.9969,  
99.9343

# Harmonies

## Analogous

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



67.4728, 80.5793, 81.4317



67.6060, 80.5793, 95.9945



70.0762, 80.5793, 109.6875

# Triad

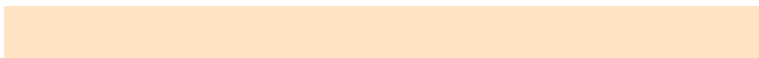
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.6060, 80.5793, 95.9945



83.9115, 80.5793, 108.3775



78.8671, 80.5793, 63.2383

# Complementary

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



67.6060, 80.5793, 95.9945



62.5502, 56.3845, 52.9371

# 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.



83.4916, 80.5793, 68.9299



67.6060, 80.5793, 95.9945



86.4897, 80.5793, 94.3599

# Square

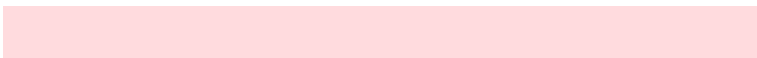
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6060, 80.5793, 95.9945



79.4196, 80.5793, 117.3599



86.3327, 80.5793, 79.9675

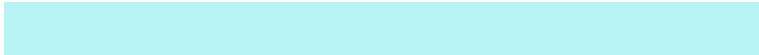


73.8249, 80.5793, 63.5724

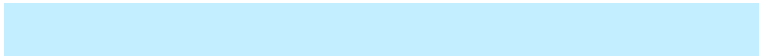


# Rectangle

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



67.6060, 80.5793, 95.9945



72.7806, 80.5793, 116.0044



86.3327, 80.5793, 79.9675



80.5264, 80.5793, 64.4809

# Sweetspot

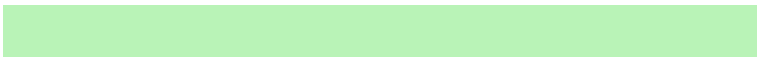
The Sweet Spot groups the original color and five complimentary colors.



67.6083, 80.5826, 95.9963



88.7371, 96.7511, 108.3539



60.6078, 77.8377, 56.6310



18.8829, 20.6519, 23.1824



0.0000, 0.0000, 0.0000

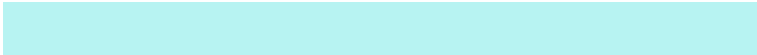


20.3446, 21.4041, 23.3091

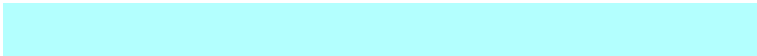


# Same Dimension

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



67.6083, 80.5826, 95.9963



72.0798, 88.1821, 106.7537



60.0088, 65.1418, 94.2086



16.9841, 18.7528, 21.2004



26.1417, 38.6015, 50.8933



2.3014, 3.3942, 4.4929



# Inverse Universe

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



62.5502, 56.3845, 52.9371



65.4758, 56.5864, 50.5334



68.8065, 69.0649, 54.5055



16.5104, 16.4870, 17.1683



20.3032, 10.4647, 1.0392

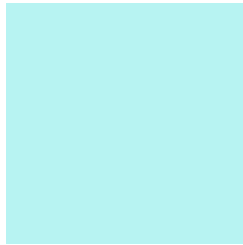


1.7883, 0.9213, 0.1117



# Previews

## White Background



This preview shows how the XYZ color 67.6060, 80.5793, 95.9945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

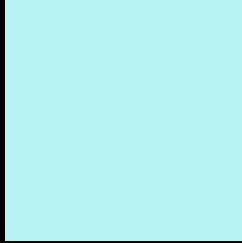
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.6060, 80.5793, 95.9945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

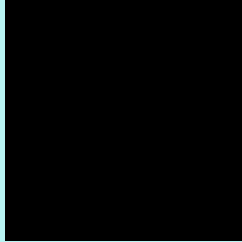
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.6060, 80.5793, 95.9945

## Background



This preview shows how black text looks on a background with the XYZ color 67.6060, 80.5793, 95.9945.



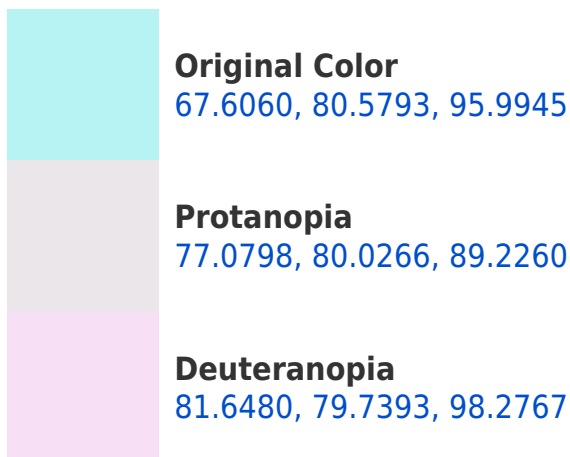
This preview shows how white text looks on a background with the XYZ color 67.6060, 80.5793,



# 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

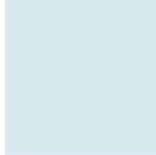
71.4222, 80.5551, 106.3921

# Trichromacy



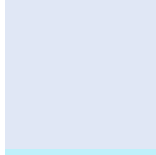
## Original Color

67.6060, 80.5793, 95.9945



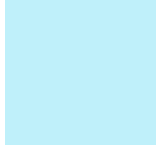
## Protanomaly

73.0187, 79.9782, 91.7096



## Deuteranomaly

75.7978, 79.5917, 97.7540



## Tritanomaly

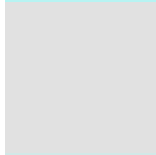
69.9013, 80.2987, 102.2575

# Monochromacy



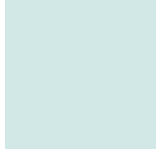
## Original Color

67.6060, 80.5793, 95.9945



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

69.8588, 77.1844, 86.8174

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.6060, 80.5793, 95.9945 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(183, 243, 242)` looks like.

```
.text, #text, p{  
    color:rgb(183, 243, 242)  
}
```

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(183, 243, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 243, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 67.6060, 80.5793, 95.9945 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(183, 243, 242) }
```



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

```
.border{ border-color:rgb(183, 243, 242) }
```

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

Here you see how a box with a 4 pixel rgb(183, 243, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 243, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 243, 242);  
box-shadow:4px 4px 4px 4px rgb(183, 243,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.6060, 80.5793, 95.9945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 243, 242) }
```

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

```
.background{ background-color: rgb(183,  
243, 242) }
```

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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