

# Converting Colors

XYZ(65.7801, 77.8138, 85.2227)

Have a look what the booklet for  
XYZ(65.7801, 77.8138, 85.2227)  
contains.

<b>XYZ(65.5644, 77.5693, 84.9156)</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(65.5644, 77.5693,  
84.9156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BDEEE4</a>
RGB	<a href="#">189, 238, 228</a>
RGB Percent	<a href="#">74%, 93%, 89%</a>
CMY	<a href="#">0.2588, 0.0666, 0.1059</a>
CMYK	<a href="#">0.21, 0.00, 0.04, 0.07</a>
HSL	<a href="#">168°, 59%, 84%</a>
HSV	<a href="#">168°, 21%, 93%</a>
XYZ	<a href="#">65.5644, 77.5693, 84.9156</a>
YIQ	<a href="#">222.2090, -25.9940, -13.4980</a>

# Conversions

## Conversions Part 2

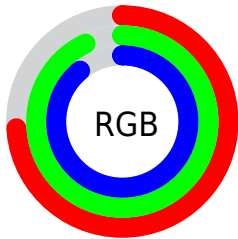
Format	Color
<b>RYB</b>	189, 216, 238
Decimal	12447460
CIELab	90.58, -17.62, -0.33
CIELCh	91, 17.625, 181.073
Yxy	77.5693, 0.2875, 0.3401
Android (android.graphics.Color)	4290637540 (0xFFBDEEE4)
YUV	222.2090, 2.8550, -29.1243
Hunter-Lab	88.0734, -21.2480, 4.4872

# Details

The XYZ color **65.5644, 77.5693, 84.9156** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.7690, 58.6979, 62.0049**, and the grayscale version is **69.5742, 73.1975, 79.7121**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **34.2624, 41.6239, 45.7636** is the 20% darker color. If you saturate the color by 10%, you get **59.4736, 74.5083, 81.1603**, and if you desaturate by 10%, it is **72.6474, 81.1437, 88.8195**.

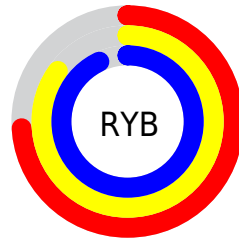
# Distribution



Red (74%)

Green (93%)

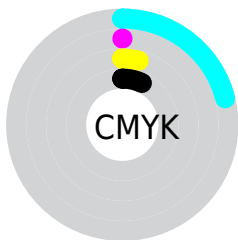
Blue (89%)



Red (74%)

Yellow (85%)

Blue (93%)

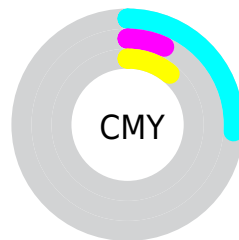


Cyan (21%)

Magenta (0%)

Yellow (4%)

Black (7%)



Cyan (26%)

Magenta (7%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5644, 77.5693, 84.9156 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 65.5644, 77.5693, 84.9156 by changing the saturation by 10% instead.





 65.5644, 77.5693,  
84.9156

 65.5644, 77.5693,  
84.9156


434.3306,  
486.7029, 531.4861

 48.1853, 57.7202,  
63.2219


 111.9221,  
129.9428, 142.1284

 34.1855, 41.5838,  
45.5786


141.6314,  
163.2360, 178.4845

 23.1997, 28.7755,  
31.5671


176.1814,  
201.7794, 220.5652

 14.8625, 18.9111,  
20.7690

215.9376,  
245.9574, 268.7890

 8.8087, 11.6060,  
12.7657

261.2653,  
296.1543, 323.5745

 4.6727, 6.4760,  
7.1386

312.5298,

 2.0893, 3.1366,

352.7546, 385.3401

3.4691

370.0964,  
416.1427, 454.5044

0.6834, 1.2035,  
1.3389

0.0000, 0.0645,  
0.0933

65.5644, 77.5693,  
84.9156

65.5644, 77.5693,  
84.9156

59.4736, 74.5083,  
81.1603

72.6474, 81.1437,  
88.8195

54.3210, 71.9267,  
77.5455


80.7600, 85.2447,  
92.8698

50.0575, 69.8013,  
74.0696


87.9298, 88.8574,  
96.9764

46.6268, 68.1031,  
70.7293


88.6717, 89.1542,  
100.8835


 43.9660, 66.7996,  
67.5206

 89.4333, 89.4588,  
104.8936

 42.0032, 65.8539,  
64.4395

 89.8659, 89.6318,  
107.1720

 40.6524, 65.2217,  
61.4810

 39.8069, 64.8442,  
58.8018

# Harmonies

## Analogous

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



66.5469, 77.5693, 73.2417



65.5644, 77.5693, 84.9156



66.6954, 77.5693, 97.6340

# Triad

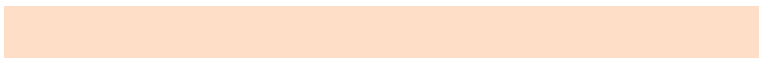
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.5644, 77.5693, 84.9156



78.1943, 77.5693, 107.0318



77.9084, 77.5693, 64.9252

# Complementary

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



65.5644, 77.5693, 84.9156



63.7690, 58.6979, 62.0049

# 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.



81.2368, 77.5693, 72.5274



65.5644, 77.5693, 84.9156



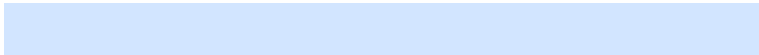
81.4064, 77.5693, 96.7685

# Square

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



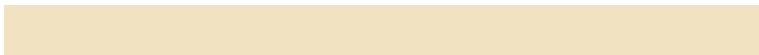
65.5644, 77.5693, 84.9156



73.8863, 77.5693, 111.1624



82.5411, 77.5693, 84.0056



73.5685, 77.5693, 62.4174

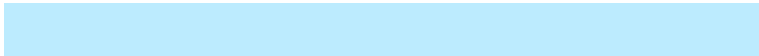


# Rectangle

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



65.5644, 77.5693, 84.9156



68.5230, 77.5693, 104.8114



82.5411, 77.5693, 84.0056



79.1887, 77.5693, 66.9295

# Sweetspot

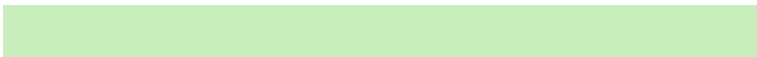
The Sweet Spot groups the original color and five complimentary colors.



65.5666, 77.5725, 84.9173



89.1446, 97.0133, 106.0201



63.4794, 77.0531, 59.6725



18.9488, 20.6982, 22.6264



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

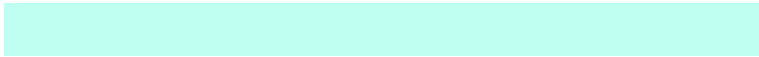


# Same Dimension

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



65.5666, 77.5725, 84.9173



73.3338, 89.0388, 97.3149



63.1083, 70.3687, 91.1489



16.1010, 17.8704, 19.5550



22.2553, 36.1941, 33.0568



1.8859, 3.0248, 2.9317



# Inverse Universe

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



63.7690, 58.6979, 62.0049



70.8561, 63.0030, 65.7188



65.7762, 64.5104, 57.1304



15.9047, 15.8116, 17.0546



20.0130, 10.2776, 2.7189

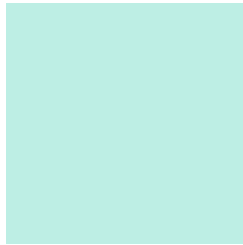


1.6995, 0.8689, 0.4086



# Previews

## White Background



This preview shows how the XYZ color 65.5644, 77.5693, 84.9156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

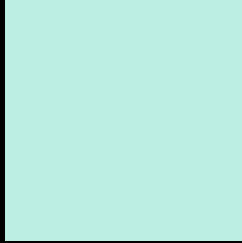
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.5644, 77.5693, 84.9156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

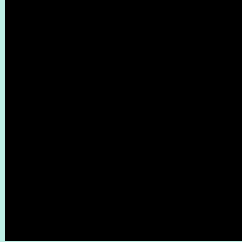
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

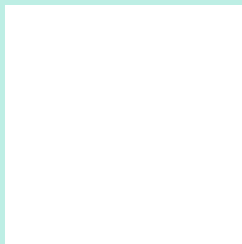
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.5644, 77.5693, 84.9156**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.5644, 77.5693, 84.9156.



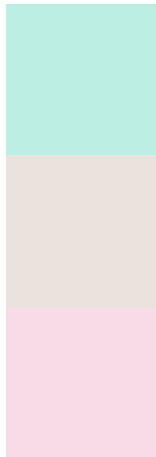
This preview shows how white text looks on a background with the XYZ color 65.5644, 77.5693,

84.9156.

# 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

65.5644, 77.5693, 84.9156

### Protanopia

73.8518, 76.9368, 79.3645

### Deuteranopia

78.5165, 76.7868, 87.0270



## Tritanopia

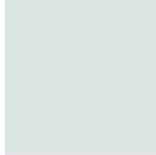
69.4006, 77.4068, 104.2117

# Trichromacy



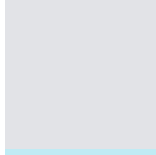
## Original Color

65.5644, 77.5693, 84.9156



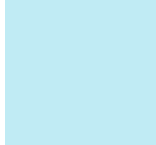
## Protanomaly

70.3666, 76.7272, 81.6221



## Deuteranomaly

73.2569, 76.8764, 86.5789



## Tritanomaly

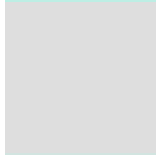
67.7757, 77.1548, 96.9082

# Monochromacy



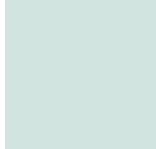
## Original Color

65.5644, 77.5693, 84.9156



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

67.7763, 74.5703, 81.3423

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.5644, 77.5693, 84.9156 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(189, 238, 228)` looks like.

```
.text, #text, p{  
    color:rgb(189, 238, 228)  
}
```

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(189, 238, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 238, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 65.5644, 77.5693, 84.9156 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(189, 238, 228) }
```



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

```
.border{ border-color:rgb(189, 238, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 238, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 238, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 238, 228);  
box-shadow:4px 4px 4px 4px rgb(189, 238,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.5644, 77.5693, 84.9156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 238, 228) }
```

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

```
.background{ background-color: rgb(189,  
238, 228) }
```

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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