

# Converting Colors

XYZ(65.1913, 79.2001, 84.3447)

Have a look what the booklet for  
XYZ(65.1913, 79.2001, 84.3447)  
contains.

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# **Color**

**XYZ(65.1457, 79.1176,  
84.5107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7F2E3
RGB	183, 242, 227
RGB Percent	72%, 95%, 89%
CMY	0.2823, 0.0510, 0.1098
CMYK	0.24, 0.00, 0.06, 0.05
HSL	165°, 69%, 83%
HSV	165°, 24%, 95%
XYZ	65.1457, 79.1176, 84.5107
YIQ	222.6490, -30.3490, -17.1730

# Conversions

## Conversions Part 2

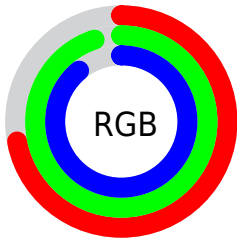
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 217, 242
Decimal	12055267
CIELab	91.29, -21.60, 1.18
CIELCh	91, 21.633, 176.879
Yxy	79.1176, 0.2848, 0.3458
Android (android.graphics.Color)	4290245347 (0xFFB7F2E3)
YUV	222.6490, 2.1450, -34.7722
Hunter-Lab	88.9481, -24.9255, 5.9315

# Details

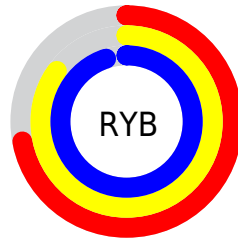
The XYZ color **65.1457, 79.1176, 84.5107** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.7473, 56.8235, 61.0376**, and the grayscale version is **69.8927, 73.5326, 80.0770**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **34.0586, 42.7635, 45.4888** is the 20% darker color. If you saturate the color by 10%, you get **59.0433, 76.0702, 79.8716**, and if you desaturate by 10%, it is **72.2726, 82.6938, 89.3596**.

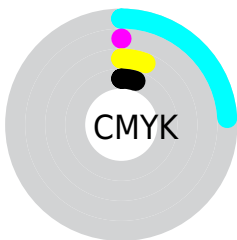
# Distribution



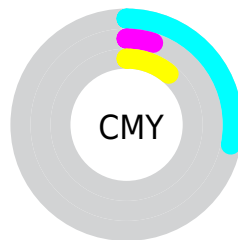
- Red (72%)
- Green (95%)
- Blue (89%)



- Red (72%)
- Yellow (85%)
- Blue (95%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)



- Cyan (28%)
- Magenta (5%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1457, 79.1176, 84.5107 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 65.1457, 79.1176, 84.5107 by changing the saturation by 10% instead.



65.1457, 79.1176,  
84.5107

65.1457, 79.1176,  
84.5107

432.8523,  
491.9541, 530.1099

47.8444, 58.9925,  
62.8893

111.3238,  
132.1244, 141.5574

33.9144, 42.6071,  
45.3113

140.9314,  
165.7749, 177.8199

22.9904, 29.5770,  
31.3579

175.3717,  
204.7027, 219.7998

14.7071, 19.5177,  
20.6108

215.0101,  
249.2921, 267.9157

8.6990, 12.0450,  
12.6514

260.2120,  
299.9275, 322.5861

4.6009, 6.7743,  
7.0610

311.3428,

2.0474, 3.3214,

356.9934, 384.2296

3.4213

368.7678,  
420.8741, 453.2647

■ 0.6604, 1.3017,  
1.3136

■ 0.0000, 0.1425,  
0.0729

■ 65.1457, 79.1176,  
84.5107

■ 65.1457, 79.1176,  
84.5107

■ 59.0433, 76.0702,  
79.8716

■ 72.2726, 82.6938,  
89.3596

■ 53.9077, 73.5156,  
75.4330

■ 80.4646, 86.8135,  
94.4167

■ 49.6858, 71.4286,  
71.1923

■ 89.5458, 91.3880,  
99.6772

■ 46.3164, 69.7777,  
67.1450

■ 90.5035, 91.7711,  
104.7207

■ 43.7306, 68.5274,  
63.2862

■ 91.0436, 91.9871,  
107.5645

■ 41.8485, 67.6366,  
59.6104

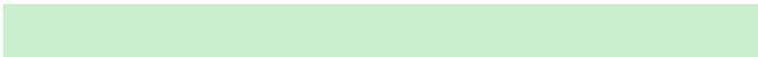
■ 40.5725, 67.0549,  
56.1112

■ 40.0396, 66.8215,  
54.2179

# Harmonies

## Analogous

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



66.7020, 79.1176, 70.6638



65.1457, 79.1176, 84.5107



66.1730, 79.1176, 100.5456

# Triad

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



65.1457, 79.1176, 84.5107



80.0719, 79.1176, 116.0144



81.1140, 79.1176, 63.2306

# Complementary

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



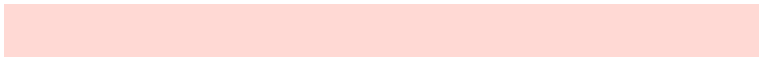
65.1457, 79.1176, 84.5107



63.7473, 56.8235, 61.0376

# 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.



85.0104, 79.1176, 73.1906



65.1457, 79.1176, 84.5107



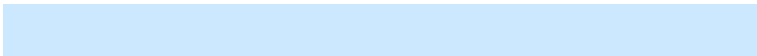
84.3884, 79.1176, 103.7380

# Square

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



65.1457, 79.1176, 84.5107



74.6259, 79.1176, 119.9864



86.2366, 79.1176, 87.8015

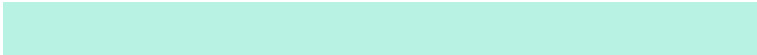


75.7749, 79.1176, 59.3533

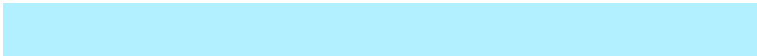


# Rectangle

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



65.1457, 79.1176, 84.5107



68.2135, 79.1176, 110.1435



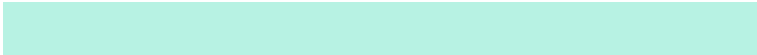
86.2366, 79.1176, 87.8015



82.6457, 79.1176, 65.9141

# Sweetspot

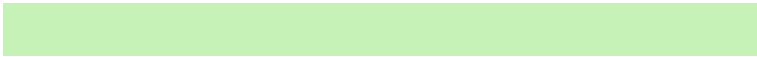
The Sweet Spot groups the original color and five complimentary colors.



65.1479, 79.1209, 84.5125



88.0629, 96.4814, 104.8034



63.7844, 79.0322, 56.6940



18.7263, 20.5892, 22.3578



0.0000, 0.0000, 0.0000

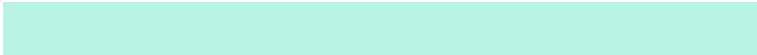


20.3446, 21.4041, 23.3091

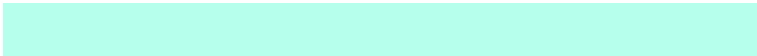


# Same Dimension

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



65.1479, 79.1209, 84.5125



69.9966, 87.4173, 92.6903



63.3656, 72.0963, 94.5844



16.0657, 17.8563, 19.3686



21.5667, 35.9187, 29.4310



1.8340, 3.0040, 2.6582



# Inverse Universe

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



63.7473, 56.8235, 61.0376



68.1823, 58.4914, 62.2505



65.0811, 62.1251, 53.3623



15.9377, 15.8248, 17.2282



20.1782, 10.3437, 3.5892

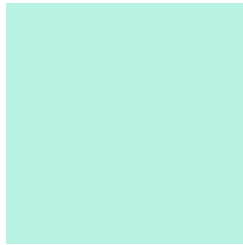


1.7176, 0.8761, 0.5035



# Previews

## White Background



This preview shows how the XYZ color 65.1457, 79.1176, 84.5107 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

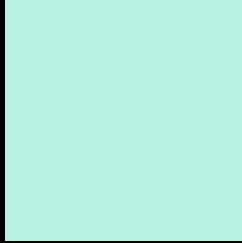
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.1457, 79.1176, 84.5107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

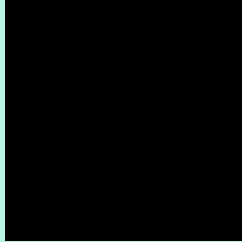
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

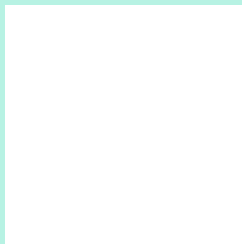
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.1457, 79.1176, 84.5107

## Background



This preview shows how black text looks on a background with the XYZ color 65.1457, 79.1176, 84.5107.



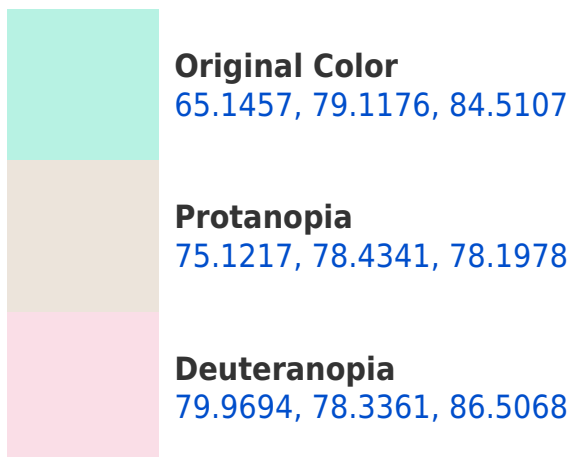
This preview shows how white text looks on a background with the XYZ color 65.1457, 79.1176,



# 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

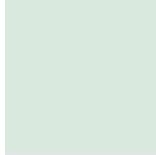
70.0724, 78.9948, 106.1621

# Trichromacy



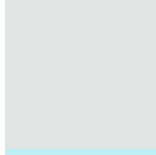
## Original Color

65.1457, 79.1176, 84.5107



## Protanomaly

70.9390, 78.3035, 80.4824



## Deuteranomaly

73.6663, 77.9205, 86.0205



## Tritanomaly

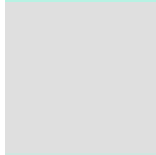
68.3342, 79.1444, 98.0610

# Monochromacy



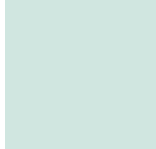
## Original Color

65.1457, 79.1176, 84.5107



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

67.7638, 75.3853, 81.5003

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1457, 79.1176, 84.5107 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, 242, 227)` looks like.

```
.text, #text, p{  
    color:rgb(183, 242, 227)  
}
```

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, 242, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 242, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1457, 79.1176, 84.5107 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, 242, 227) }
```



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

```
.border{ border-color:rgb(183, 242, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 242, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 242, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 242, 227);  
box-shadow:4px 4px 4px 4px rgb(183, 242,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1457, 79.1176, 84.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 242, 227) }
```

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

```
.background{ background-color: rgb(183,  
242, 227) }
```

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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