

# Converting Colors

XYZ(65.8467, 75.8933, 78.9375)

Have a look what the booklet for  
XYZ(65.8467, 75.8933, 78.9375)  
contains.

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# Color

**XYZ(65.6104, 75.5872,  
78.8419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E9DC
RGB	199, 233, 220
RGB Percent	78%, 91%, 86%
CMY	0.2196, 0.0863, 0.1372
CMYK	0.15, 0.00, 0.06, 0.09
HSL	157°, 44%, 85%
HSV	157°, 15%, 91%
XYZ	65.6104, 75.5872, 78.8419
YIQ	221.3520, -16.0910, -11.2510

# Conversions

## Conversions Part 2

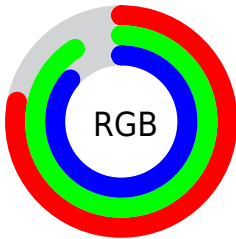
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 220, 233
Decimal	13101532
CIELab	89.67, -13.57, 2.59
CIELCh	90, 13.817, 169.198
Yxy	75.5872, 0.2982, 0.3435
Android (android.graphics.Color)	4291291612 (0xFFC7E9DC)
YUV	221.3520, -0.6665, -19.6027
Hunter-Lab	86.9409, -17.4406, 7.0918

# Details

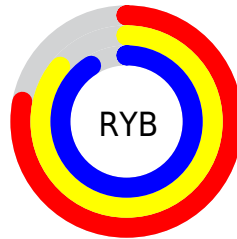
The XYZ color **65.6104, 75.5872, 78.8419** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.9141, 62.9260, 70.9627**, and the grayscale version is **68.9889, 72.5817, 79.0415**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.1907, 40.1806, 41.5509** is the 20% darker color. If you saturate the color by 10%, you get **58.7467, 72.1837, 72.5246**, and if you desaturate by 10%, it is **73.4879, 79.5102, 85.5382**.

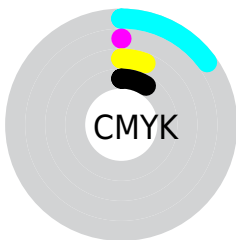
# Distribution



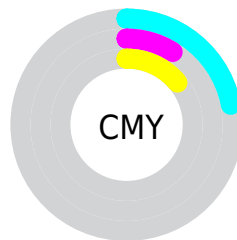
- Red (78%)
- Green (91%)
- Blue (86%)



- Red (78%)
- Yellow (86%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6104, 75.5872, 78.8419 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 65.6104, 75.5872, 78.8419 by changing the saturation by 10% instead.



65.6104, 75.5872,  
78.8419

65.6104, 75.5872,  
78.8419

434.4929,  
479.9334, 510.6248

48.2227, 56.0941,  
58.2453

111.9878,  
127.1432, 133.5329

34.2153, 40.2784,  
41.5899

141.7083,  
159.9749, 168.4644

23.2227, 27.7556,  
28.4571

176.2703,  
198.0216, 209.0112

14.8796, 18.1415,  
18.4285

216.0394,  
241.6676, 255.5920

8.8207, 11.0517,  
11.0854

261.3809,  
291.2974, 308.6252

4.6806, 6.1016,  
6.0094

312.6600,

2.0939, 2.9070,

347.2954, 368.5293

2.7819

370.2422,  
410.0459, 435.7230

■ 0.6859, 1.0833,  
0.9844

■ 0.0000, 0.0000,  
0.0000

■ 65.6104, 75.5872,  
78.8419

■ 65.6104, 75.5872,  
78.8419

■ 58.7467, 72.1837,  
72.5246

■ 73.4879, 79.5102,  
85.5382

■ 52.8465, 69.2676,  
66.5741

■ 82.4138, 83.9643,  
92.6154

■ 47.8647, 66.8179,  
60.9848

■ 87.1276, 86.2395,  
99.8336

■ 43.7499, 64.8083,  
55.7489

■ 88.4303, 86.7606,  
106.6934

■ 40.4457, 63.2097,  
50.8583

■ 37.8882, 61.9895,  
46.3044

■ 36.0039, 61.1097,  
42.0781

■ 34.7027, 60.5240,  
38.1692

■ 34.1667, 60.2911,  
36.1822

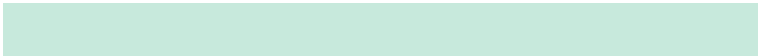
# Harmonies

## Analogous

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



67.0068, 75.5872, 70.6621



65.6104, 75.5872, 78.8419



65.8439, 75.5872, 88.6140

# Triad

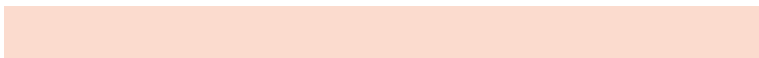
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.6104, 75.5872, 78.8419



74.0149, 75.5872, 101.2822



76.2010, 75.5872, 68.9253

# Complementary

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



65.6104, 75.5872, 78.8419



65.9141, 62.9260, 70.9627

# 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.



78.1966, 75.5872, 76.2964



65.6104, 75.5872, 78.8419



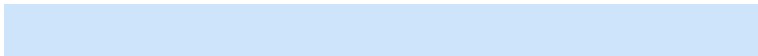
76.9072, 75.5872, 95.1539

# Square

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



65.6104, 75.5872, 78.8419



70.6250, 75.5872, 102.0993



78.4591, 75.5872, 85.8611



73.0757, 75.5872, 65.2444



# Rectangle

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



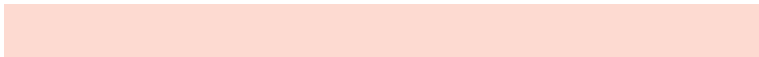
65.6104, 75.5872, 78.8419



66.8946, 75.5872, 94.7123



78.4591, 75.5872, 85.8611



77.0304, 75.5872, 71.0254

# Sweetspot

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



65.6125, 75.5904, 78.8436



90.7747, 97.8678, 105.4550



66.6112, 76.4067, 65.2713



19.2624, 20.8645, 22.4348



0.0000, 0.0000, 0.0000

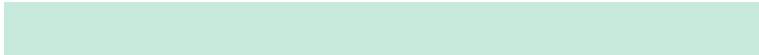


20.3446, 21.4041, 23.3091

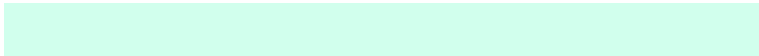


# Same Dimension

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



65.6125, 75.5904, 78.8436



77.4343, 91.2305, 93.9918



66.2922, 74.0854, 87.9004



15.2594, 17.0186, 18.0487



19.4483, 34.2338, 20.8577



1.5738, 2.7068, 1.8836



# Inverse Universe

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



65.9141, 62.9260, 70.9627



77.8823, 72.4369, 82.2990



65.2635, 64.1454, 62.9757



15.3038, 15.1494, 16.8853



20.1493, 10.2624, 6.5876

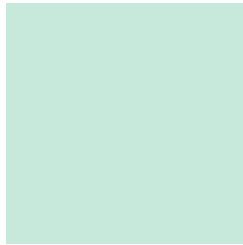


1.6278, 0.8241, 0.7576



# Previews

## White Background



This preview shows how the XYZ color 65.6104, 75.5872, 78.8419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

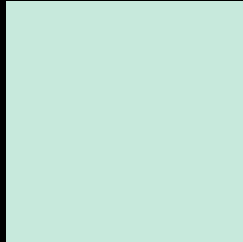
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6104, 75.5872, 78.8419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

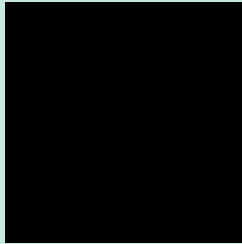
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

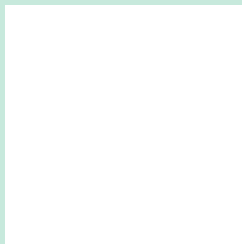
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.6104, 75.5872, 78.8419**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.6104, 75.5872, 78.8419.



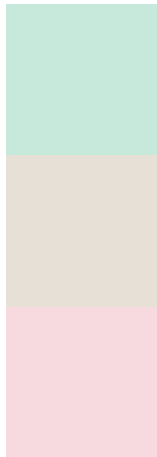
This preview shows how white text looks on a background with the XYZ color 65.6104, 75.5872,

78.8419.

# 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

65.6104, 75.5872, 78.8419

### Protanopia

71.8764, 75.2065, 75.0180

### Deuteranopia

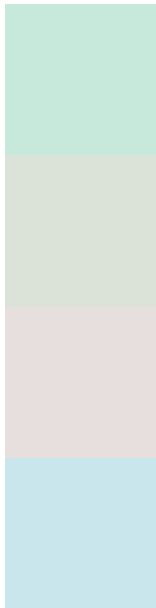
76.7485, 75.2447, 80.2906



## **Tritanopia**

69.7097, 75.5914, 98.9122

# Trichromacy



## Original Color

65.6104, 75.5872, 78.8419

## Protanomaly

69.2069, 75.0080, 76.4760

## Deuteranomaly

72.2056, 74.8723, 79.7534

## Tritanomaly

67.9400, 75.2646, 91.0675

# Monochromacy



## Original Color

65.6104, 75.5872, 78.8419

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

67.4169, 73.2170, 78.9857

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6104, 75.5872, 78.8419 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(199, 233, 220)` looks like.

```
.text, #text, p{  
    color:rgb(199, 233, 220)  
}
```

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(199, 233, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 233, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6104, 75.5872, 78.8419 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(199, 233, 220) }
```



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

```
.border{ border-color:rgb(199, 233, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 233, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 233, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 233, 220);  
box-shadow:4px 4px 4px 4px rgb(199, 233,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6104, 75.5872, 78.8419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 233, 220) }
```

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

```
.background{ background-color: rgb(199,  
233, 220) }
```

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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