

# Converting Colors

XYZ(58.2985, 65.5146, 78.8708)

Have a look what the booklet for  
XYZ(58.2985, 65.5146, 78.8708)  
contains.

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# Color

**XYZ(58.2474, 65.3387,  
78.6489)**

# Conversions

## Conversions Part 1

| Format      | Color                                       |
|-------------|---|
| Hex         | <a href="#">BAD9DE</a>                      |
| RGB         | <a href="#">186, 217, 222</a>               |
| RGB Percent | <a href="#">73%, 85%, 87%</a>               |
| CMY         | <a href="#">0.2706, 0.1490, 0.1294</a>      |
| CMYK        | <a href="#">0.16, 0.02, 0.00, 0.13</a>      |
| HSL         | <a href="#">188°, 35%, 80%</a>              |
| HSV         | <a href="#">188°, 16%, 87%</a>              |
| XYZ         | <a href="#">58.2474, 65.3387, 78.6489</a>   |
| YIQ         | <a href="#">208.3010, -20.0810, -5.0170</a> |

# Conversions

## Conversions Part 2

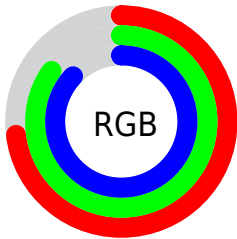
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 186, 203, 222                 |
| Decimal                             | 12245470                      |
| CIELab                              | 84.66, -9.17, -5.90           |
| CIELCh                              | 85, 10.905, 212.760           |
| Yxy                                 | 65.3387, 0.2880,<br>0.3231    |
| Android<br>(android.graphics.Color) | 4290435550<br>(0xFFBAD9DE)    |
| YUV                                 | 208.3010, 6.7536,<br>-19.5580 |
| Hunter-Lab                          | 80.8324, -12.8304,<br>-1.1058 |

# Details

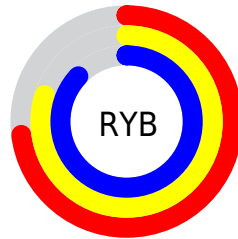
The XYZ color **58.2474, 65.3387, 78.6489** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.6185, 56.3365, 54.2930**, and the grayscale version is **60.1179, 63.2487, 68.8778**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **29.4111, 33.5362, 41.4822** is the 20% darker color. If you saturate the color by 10%, you get **52.4811, 61.1996, 78.1549**, and if you desaturate by 10%, it is **64.8702, 69.9449, 79.1900**.

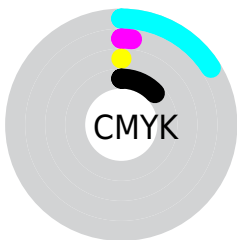
# Distribution



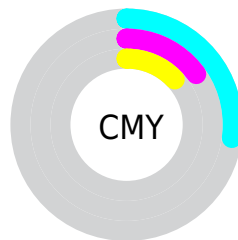
- Red (73%)
- Green (85%)
- Blue (87%)



- Red (73%)
- Yellow (80%)
- Blue (87%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (15%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2474, 65.3387, 78.6489 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 58.2474, 65.3387, 78.6489 by changing the saturation by 10% instead.



■ 58.2474, 65.3387,  
78.6489

■ 58.2474, 65.3387,  
78.6489

408.0462,  
444.0081, 509.9540

■ 42.2516, 47.7358,  
58.0876

■ 101.4039,  
112.5367, 133.2586

■ 29.4903, 33.6177,  
41.4639

129.2954,  
142.9005, 168.1441

■ 19.5982, 22.6001,  
28.3593

161.8828,  
178.2867, 208.6415

■ 12.2099, 14.2985,  
18.3553

199.5315,  
219.0798, 255.1691

■ 6.9600, 8.3285,  
11.0333

242.6068,  
265.6641, 308.1456

■ 3.4832, 4.3059,  
5.9748

291.4741,

■ 1.4141, 1.8461,

318.4240, 367.9896

2.7612

346.4988,  
377.7438, 435.1195

■ 0.2663, 0.5157,  
0.9740

■ 0.0000, 0.0000,  
0.0000

■ 58.2474, 65.3387,  
78.6489

■ 58.2474, 65.3387,  
78.6489

■ 52.4811, 61.1996,  
78.1549

■ 64.8702, 69.9449,  
79.1900

■ 47.5270, 57.4993,  
77.7018

■ 72.3801, 75.0287,  
79.7754

■ 43.3453, 54.2190,  
77.2891

■ 80.8128, 80.6106,  
80.4084

■ 39.8907, 51.3352,  
76.9145

■ 82.5360, 82.7559,  
80.7317

37.1127, 48.8218,  
76.5758

83.3979, 84.4798,  
81.0190

34.9547, 46.6494,  
76.2702

84.2750, 86.2340,  
81.3113

33.3504, 44.7837,  
75.9946

85.1675, 88.0189,  
81.6088

32.2171, 43.1820,  
75.7452

86.0753, 89.8345,  
81.9114

31.8562, 42.6164,  
75.6551

86.9985, 91.6810,  
82.2192

# Harmonies

## Analogous

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



57.5418, 65.3387, 71.7905



58.2474, 65.3387, 78.6489



59.9838, 65.3387, 83.7443

# Triad

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



58.2474, 65.3387, 78.6489



66.3594, 65.3387, 77.4591



61.8773, 65.3387, 58.5710

# Complementary

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



58.2474, 65.3387, 78.6489



57.6185, 56.3365, 54.2930

# 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.



64.2705, 65.3387, 59.8733



58.2474, 65.3387, 78.6489



66.8979, 65.3387, 70.4989

# Square

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



58.2474, 65.3387, 78.6489



64.6709, 65.3387, 83.0264



66.1240, 65.3387, 64.1300



59.6030, 65.3387, 60.4508



# Rectangle

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



58.2474, 65.3387, 78.6489



61.5142, 65.3387, 85.2926



66.1240, 65.3387, 64.1300



62.6944, 65.3387, 58.6513

# Sweetspot

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



58.2493, 65.3414, 78.6504



89.9518, 96.5375, 108.5004



55.7542, 66.4356, 59.0610



19.1054, 20.5617, 23.2118



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

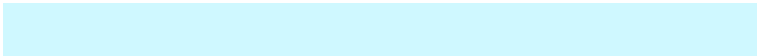


# Same Dimension

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



58.2493, 65.3414, 78.6504



77.3085, 87.7245, 107.4657



53.9053, 56.6533, 77.2024



13.9459, 15.2309, 17.5925



18.9830, 25.4356, 44.9574



1.3611, 1.8536, 3.1313



# Inverse Universe

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



60.2090, 55.6587, 73.2185



80.4299, 72.4623, 98.7780



61.7397, 64.5789, 55.6667



14.2089, 13.9012, 16.8702



23.5219, 11.4758, 30.4780

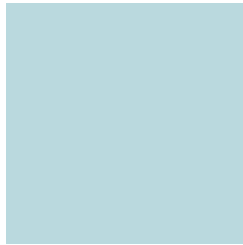


1.6533, 0.8046, 2.2329



# Previews

## White Background



This preview shows how the XYZ color 58.2474, 65.3387, 78.6489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

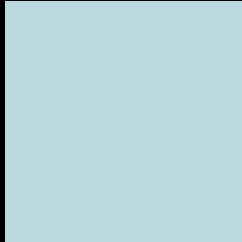
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2474, 65.3387, 78.6489 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

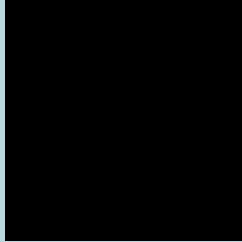
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.2474, 65.3387, 78.6489**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2474, 65.3387, 78.6489.



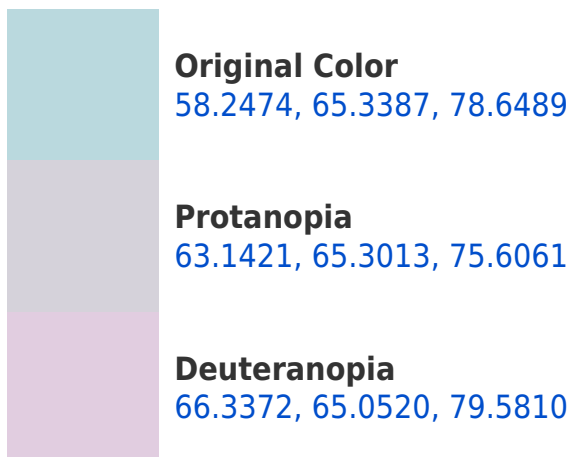
This preview shows how white text looks on a background with the XYZ color 58.2474, 65.3387,



# 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

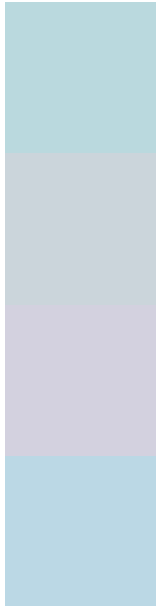




## Tritanopia

59.7475, 65.1754, 86.5219

# Trichromacy



## Original Color

58.2474, 65.3387, 78.6489

## Protanomaly

61.2090, 65.3995, 76.4151

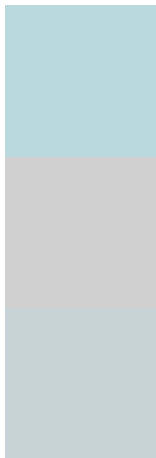
## Deuteranomaly

62.9837, 64.7775, 78.9958

## Tritanomaly

59.1922, 65.3337, 83.6196

# Monochromacy



## Original Color

58.2474, 65.3387, 78.6489

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.1239, 63.6720, 72.1245

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2474, 65.3387, 78.6489 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(186, 217, 222)` looks like.

```
.text, #text, p{  
    color:rgb(186, 217, 222)  
}
```

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(186, 217, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 217, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2474, 65.3387, 78.6489 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(186, 217, 222) }
```



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

```
.border{ border-color:rgb(186, 217, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 217, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 217, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 217, 222);  
box-shadow:4px 4px 4px 4px rgb(186, 217,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2474, 65.3387, 78.6489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 217, 222) }
```

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

```
.background{ background-color: rgb(186,  
217, 222) }
```

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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