

# Converting Colors

XYZ(58.3535, 66.8086, 72.5921)

Have a look what the booklet for  
XYZ(58.3535, 66.8086, 72.5921)  
contains.

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# Color

**XYZ(58.3425, 66.6819,  
72.7467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCDCD5
RGB	188, 220, 213
RGB Percent	74%, 86%, 84%
CMY	0.2627, 0.1372, 0.1647
CMYK	0.15, 0.00, 0.03, 0.14
HSL	167°, 31%, 80%
HSV	167°, 15%, 86%
XYZ	58.3425, 66.6819, 72.7467
YIQ	209.6340, -16.8250, -8.9610

# Conversions

## Conversions Part 2

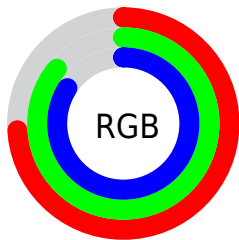
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	188, 206, 220
Decimal	12377301
CIE Lab	85.34, -11.89, -0.11
CIE LCh	85, 11.893, 180.546
Yxy	66.6819, 0.2950, 0.3372
Android (android.graphics.Color)	4290567381 (0xFFBCDCD5)
YUV	209.6340, 1.6594, -18.9730
Hunter-Lab	81.6590, -15.3712, 4.3422

# Details

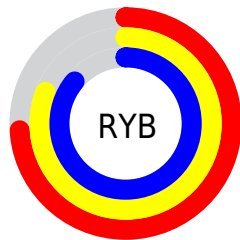
The XYZ color **58.3425, 66.6819, 72.7467** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.3512, 55.1240, 59.2500**, and the grayscale version is **61.0176, 64.1953, 69.9086**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **29.4582, 34.4472, 37.4441** is the 20% darker color. If you saturate the color by 10%, you get **52.7289, 63.8593, 69.3423**, and if you desaturate by 10%, it is **64.8043, 69.9432, 76.2883**.

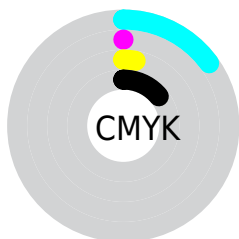
# Distribution



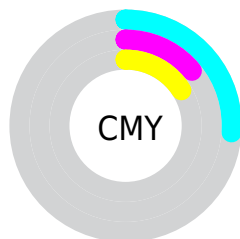
- Red (74%)
- Green (86%)
- Blue (84%)



- Red (74%)
- Yellow (81%)
- Blue (86%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)



- Cyan (26%)
- Magenta (14%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3425, 66.6819, 72.7467 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 58.3425, 66.6819, 72.7467 by changing the saturation by 10% instead.



■ 58.3425, 66.6819,  
72.7467

■ 58.3425, 66.6819,  
72.7467

408.3943,  
448.8116, 489.1837

■ 42.3284, 48.8262,  
53.2783

■ 101.5416,  
114.4645, 124.8351

■ 29.5507, 34.4816,  
37.6357

129.4572,  
145.1601, 158.2923

■ 19.6442, 23.2638,  
25.4005

162.0707,  
180.9045, 197.2494

■ 12.2434, 14.7884,  
16.1539

199.7475,  
222.0821, 242.1250

■ 6.9831, 8.6710,  
9.4776

242.8529,  
269.0772, 293.3377

■ 3.4978, 4.5272,  
4.9530

291.7523,

■ 1.4221, 1.9726,

322.2742, 351.3060

2.1614

346.8109,  
382.0576, 416.4485

■ 0.2719, 0.5915,  
0.6520

■ 0.0000, 0.0000,  
0.0000

■ 58.3425, 66.6819,  
72.7467

■ 58.3425, 66.6819,  
72.7467

■ 52.7289, 63.8593,  
69.3423

■ 64.8043, 69.9432,  
76.2883

■ 47.9202, 61.4479,  
66.0681


■ 72.1436, 73.6530,  
79.9651


■ 43.8782, 59.4295,  
62.9229


■ 80.3953, 77.8310,  
83.7808


■ 40.5589, 57.7818,  
59.9037


■ 81.4368, 78.2898,  
87.3563


 37.9140, 56.4797,  
57.0075


 82.1312, 78.5676,  
91.0133

 35.8891, 55.4952,  
54.2309


 82.8446, 78.8530,  
94.7698

 34.4213, 54.7958,  
51.5700

 83.5770, 79.1459,  
98.6266

 33.4336, 54.3421,  
49.0205

 84.3286, 79.4466,  
102.5844

 33.0275, 54.1621,  
47.6734

 84.8845, 79.6689,  
105.5115

# Harmonies

## Analogous

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



58.9777, 66.6819, 65.5567



58.3425, 66.6819, 72.7467



59.0247, 66.6819, 80.4036

# Triad

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



58.3425, 66.6819, 72.7467



66.0466, 66.6819, 86.1360



65.9588, 66.6819, 60.4461

# Complementary

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



58.3425, 66.6819, 72.7467



57.3512, 55.1240, 59.2500

# 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.



67.9426, 66.6819, 65.3282



58.3425, 66.6819, 72.7467



67.9943, 66.6819, 80.1418

# Square

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



58.3425, 66.6819, 72.7467



63.4285, 66.6819, 88.4616



68.6976, 66.6819, 72.4640



63.3298, 66.6819, 58.7668



# Rectangle

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



58.3425, 66.6819, 72.7467



60.1463, 66.6819, 84.6645



68.6976, 66.6819, 72.4640



66.7258, 66.6819, 61.7492

# Sweetspot

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



58.3444, 66.6847, 72.7482



91.0391, 97.9736, 106.8473



57.2989, 66.4845, 57.3909



19.3295, 20.8913, 22.7878



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

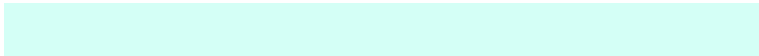


# Same Dimension

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



58.3444, 66.6847, 72.7482



79.3706, 92.0891, 100.3896



57.0698, 62.6819, 76.8044



13.3165, 14.7782, 16.1298



19.4257, 31.8029, 28.2047



1.2893, 2.0727, 1.9896



# Inverse Universe

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



57.3512, 55.1240, 59.2500



77.7654, 73.3999, 78.5708



58.4550, 58.5694, 55.8021



13.1721, 13.0979, 14.1675



17.6711, 9.0695, 2.6483

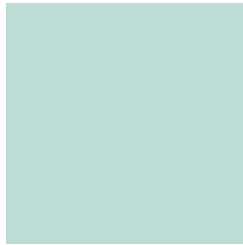


1.1772, 0.6005, 0.3423



# Previews

## White Background



This preview shows how the XYZ color 58.3425, 66.6819, 72.7467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

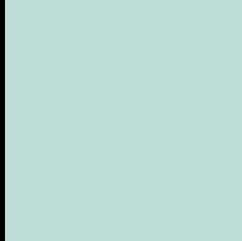
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3425, 66.6819, 72.7467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

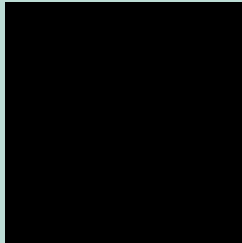
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

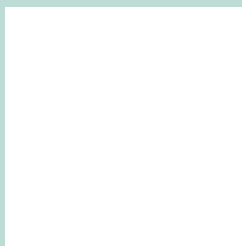
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.3425, 66.6819, 72.7467**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3425, 66.6819, 72.7467.



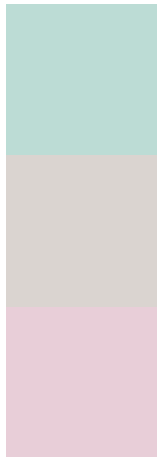
This preview shows how white text looks on a background with the XYZ color 58.3425, 66.6819,



# 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

58.3425, 66.6819, 72.7467

### Protanopia

63.8421, 66.5465, 69.1544

### Deuteranopia

67.7447, 66.2563, 74.1840



## **Tritanopia**

61.4024, 66.7727, 87.4941

# Trichromacy



## Original Color

58.3425, 66.6819, 72.7467

## Protanomaly

61.6654, 66.5194, 70.5622

## Deuteranomaly

63.8789, 66.0938, 73.6806

## Tritanomaly

60.2847, 66.7102, 81.6505

# Monochromacy



## Original Color

58.3425, 66.6819, 72.7467

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

60.1616, 65.3528, 71.0715

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3425, 66.6819, 72.7467 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(188, 220, 213)` looks like.

```
.text, #text, p{  
    color:rgb(188, 220, 213)  
}
```

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(188, 220, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 220, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3425, 66.6819, 72.7467 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(188, 220, 213) }
```



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

```
.border{ border-color:rgb(188, 220, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 220, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 220, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 220, 213);  
box-shadow:4px 4px 4px 4px rgb(188, 220,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3425, 66.6819, 72.7467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 220, 213) }
```

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

```
.background{ background-color: rgb(188,  
220, 213) }
```

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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