

# Converting Colors

XYZ(58.1027, 63.2560, 87.7078)

Have a look what the booklet for  
XYZ(58.1027, 63.2560, 87.7078)  
contains.

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# Color

**XYZ(58.0673, 63.1524,  
87.7264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7D4EB
RGB	183, 212, 235
RGB Percent	72%, 83%, 92%
CMY	0.2823, 0.1686, 0.0784
CMYK	0.22, 0.10, 0.00, 0.08
HSL	207°, 57%, 82%
HSV	207°, 22%, 92%
XYZ	58.0673, 63.1524, 87.7264
YIQ	205.9510, -24.6670, 1.0050

# Conversions

## Conversions Part 2

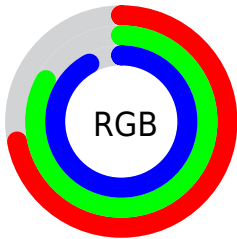
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 202, 235
Decimal	12047595
CIE Lab	83.52, -4.71, -14.51
CIE LCh	84, 15.259, 252.005
Yxy	63.1524, 0.2779, 0.3022
Android (android.graphics.Color)	4290237675 (0xFFB7D4EB)
YUV	205.9510, 14.3212, -20.1280
Hunter-Lab	79.4685, -8.6406, -9.8231

# Details

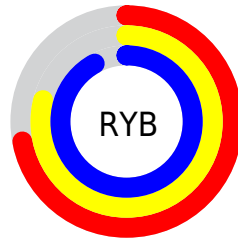
The XYZ color **58.0673, 63.1524, 87.7264** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.8801, 65.2238, 53.9711**, and the grayscale version is **58.5590, 61.6086, 67.0918**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **29.2469, 32.0357, 47.2899** is the 20% darker color. If you saturate the color by 10%, you get **50.4229, 55.4794, 86.6493**, and if you desaturate by 10%, it is **66.8160, 71.6461, 88.9058**.

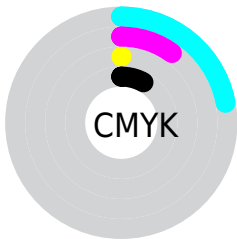
# Distribution



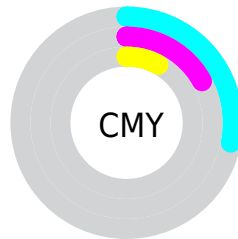
- Red (72%)
- Green (83%)
- Blue (92%)



- Red (72%)
- Yellow (79%)
- Blue (92%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)
- Black (8%)



- Cyan (28%)
- Magenta (17%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0673, 63.1524, 87.7264 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 58.0673, 63.1524, 87.7264 by changing the saturation by 10% instead.



■ 58.0673, 63.1524,  
87.7264

■ 58.0673, 63.1524,  
87.7264

407.3865,  
436.1224, 540.9849

■ 42.1062, 45.9645,  
65.5335

■ 101.1433,  
109.3893, 146.0840

■ 29.3760, 32.2178,  
47.4397

128.9889,  
139.2072, 183.0857

■ 19.5111, 21.5279,  
33.0265

161.5267,  
174.0038, 225.8607

■ 12.1464, 13.5104,  
21.8755

199.1221,  
214.1636, 274.8277

■ 6.9163, 7.7810,  
13.5680

242.1404,  
260.0710, 330.4050

■ 3.4557, 3.9551,  
7.6855

290.9470,

■ 1.3991, 1.6485,

312.1103, 393.0113

3.8095

345.9072,  
370.6660, 463.0651

■ 0.2556, 0.3900,  
1.5214

■ 0.0000, 0.0000,  
0.2338

■ 58.0673, 63.1524,  
87.7264

■ 58.0673, 63.1524,  
87.7264

■ 50.4229, 55.4794,  
86.6493

■ 66.8160, 71.6461,  
88.9058

■ 43.8277, 48.5894,  
85.6670

■ 76.7093, 80.9811,  
90.1862

■ 38.2300, 42.4525,  
84.7775

■ 87.7926, 91.1867,  
91.5719

■ 33.5714, 37.0337,  
83.9771

■ 91.5433, 97.8737,  
92.6649

■ 29.7864, 32.2942,  
83.2618

■ 91.9956, 98.7782,  
92.8157

■ 26.8003, 28.1901,  
82.6270

■ 24.5237, 24.6700,  
82.0675

■ 23.1212, 22.2495,  
81.6742

# Harmonies

## Analogous

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



55.3895, 63.1524, 81.7832



58.0673, 63.1524, 87.7264



61.3666, 63.1524, 88.3113

# Triad

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



58.0673, 63.1524, 87.7264



66.5102, 63.1524, 65.0168



55.8393, 63.1524, 56.0117

# Complementary

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



58.0673, 63.1524, 87.7264



64.8801, 65.2238, 53.9711

# 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.



58.7020, 63.1524, 52.3346



58.0673, 63.1524, 87.7264



64.9111, 63.1524, 57.2024

# Square

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



58.0673, 63.1524, 87.7264



66.3249, 63.1524, 74.5866



62.0251, 63.1524, 52.7493



54.1363, 63.1524, 63.2493



# Rectangle

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



58.0673, 63.1524, 87.7264



63.4836, 63.1524, 85.5208



62.0251, 63.1524, 52.7493



56.6933, 63.1524, 54.3498

# Sweetspot

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



58.0692, 63.1550, 87.7278



86.3182, 91.8365, 107.7845



60.3220, 73.9187, 69.1855



18.3215, 19.5113, 23.0504



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

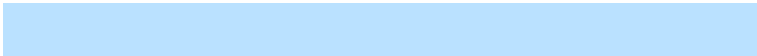


# Same Dimension

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



58.0692, 63.1550, 87.7278



65.1400, 71.2855, 104.9340



52.1826, 51.3817, 85.7656



14.9280, 15.9424, 19.2127



12.9972, 12.6415, 45.4980



1.1162, 1.1840, 3.6046



# Inverse Universe

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



63.0796, 56.2841, 69.8295



72.3599, 61.8528, 79.0380



71.5347, 78.5330, 56.1893



15.4172, 15.1947, 17.4823



21.4157, 10.7690, 13.2563

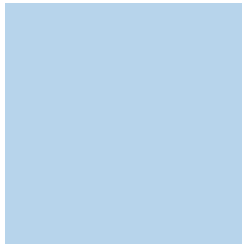


1.7299, 0.8649, 1.2952



# Previews

## White Background



This preview shows how the XYZ color 58.0673, 63.1524, 87.7264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

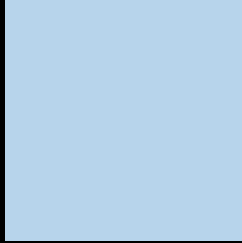
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.0673, 63.1524, 87.7264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

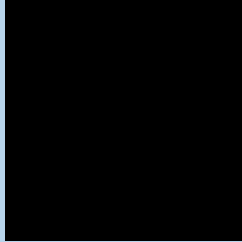
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

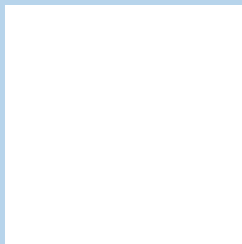
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.0673, 63.1524, 87.7264

## Background



This preview shows how black text looks on a background with the XYZ color 58.0673, 63.1524, 87.7264.



This preview shows how white text looks on a background with the XYZ color 58.0673, 63.1524,

87.7264.

# 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

58.0673, 63.1524, 87.7264

### Protanopia

61.3970, 62.7495, 84.4772

### Deuteranopia

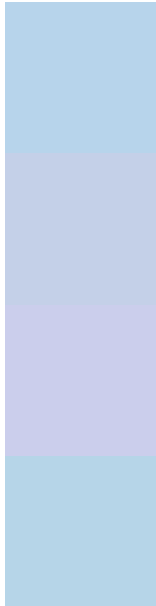
64.1381, 62.6516, 88.8333



## Tritanopia

57.3686, 63.2468, 84.0471

# Trichromacy



## Original Color

58.0673, 63.1524, 87.7264

## Protanomaly

59.8863, 62.6737, 85.2848

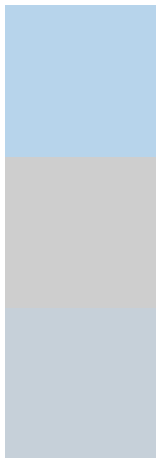
## Deuteranomaly

61.8402, 62.8953, 88.2375

## Tritanomaly

57.6511, 63.3598, 85.5351

# Monochromacy



## Original Color

58.0673, 63.1524, 87.7264

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.3690, 62.1273, 74.5610

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.0673, 63.1524, 87.7264 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, 212, 235)` looks like.

```
.text, #text, p{  
    color:rgb(183, 212, 235)  
}
```

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, 212, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 212, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 58.0673, 63.1524, 87.7264 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, 212, 235) }
```



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

```
.border{ border-color:rgb(183, 212, 235) }
```

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

Here you see how a box with a 4 pixel rgb(183, 212, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 212, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 212, 235);  
box-shadow:4px 4px 4px 4px rgb(183, 212,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.0673, 63.1524, 87.7264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 212, 235) }
```

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

```
.background{ background-color: rgb(183,  
212, 235) }
```

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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