

# Converting Colors

XYZ(57.2501, 64.5757, 85.5119)

Have a look what the booklet for  
XYZ(57.2501, 64.5757, 85.5119)  
contains.

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# Color

**XYZ(57.2828, 64.6820,  
85.8097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0D9E8
RGB	176, 217, 232
RGB Percent	69%, 85%, 91%
CMY	0.3098, 0.1490, 0.0902
CMYK	0.24, 0.06, 0.00, 0.09
HSL	196°, 55%, 80%
HSV	196°, 24%, 91%
XYZ	57.2828, 64.6820, 85.8097
YIQ	206.4510, -29.2510, -4.0270

# Conversions

## Conversions Part 2

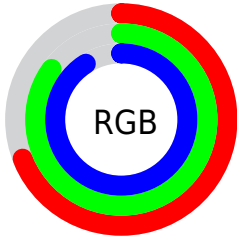
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 200, 232
Decimal	11590120
CIELab	84.32, -10.07, -11.77
CIELCh	84, 15.491, 229.460
Yxy	64.6820, 0.2757, 0.3113
Android (android.graphics.Color)	4289780200 (0xFFB0D9E8)
YUV	206.4510, 12.5957, -26.7055
Hunter-Lab	80.4251, -13.6073, -6.9620

# Details

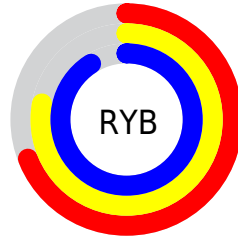
The XYZ color **57.2828, 64.6820, 85.8097** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.7466, 57.5522, 49.0353**, and the grayscale version is **58.8919, 61.9589, 67.4732**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **28.7828, 33.1128, 45.9487** is the 20% darker color. If you saturate the color by 10%, you get **50.9077, 59.0642, 85.0624**, and if you desaturate by 10%, it is **64.6186, 70.8878, 86.6220**.

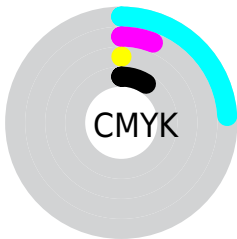
# Distribution



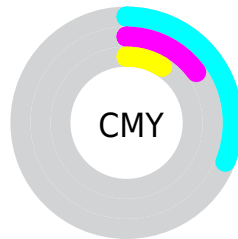
- Red (69%)
- Green (85%)
- Blue (91%)



- Red (69%)
- Yellow (78%)
- Blue (91%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2828, 64.6820, 85.8097 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 57.2828, 64.6820, 85.8097 by changing the saturation by 10% instead.



■ 57.2828, 64.6820,  
85.8097

■ 57.2828, 64.6820,  
85.8097

404.5052,  
441.6483, 534.5178

■ 41.4734, 47.2033,  
63.9566

■ 100.0067,  
111.5925, 143.3881

■ 28.8784, 33.1964,  
46.1696

127.6519,  
141.7932, 179.9505

■ 19.1327, 22.2769,  
32.0300

159.9730,  
177.0032, 222.2531

■ 11.8708, 14.0605,  
21.1194

197.3354,  
217.6070, 270.7144

■ 6.7273, 8.1628,  
13.0192

240.1045,  
263.9891, 325.7530

■ 3.3370, 4.1993,  
7.3109

288.6456,

■ 1.3344, 1.7857,

316.5337, 387.7874

3.5759

343.3240,  
375.6253, 457.2362

■ 0.2087, 0.4782,  
1.3957

■ 0.0000, 0.0000,  
0.1384

■ 57.2828, 64.6820,  
85.8097

■ 57.2828, 64.6820,  
85.8097

■ 50.9077, 59.0642,  
85.0624

■ 64.6186, 70.8878,  
86.6220

■ 45.4412, 54.0016,  
84.3734

■ 72.9521, 77.6969,  
87.4970

■ 40.8350, 49.4702,  
83.7415

■ 82.3257, 85.1336,  
88.4384

■ 37.0337, 45.4402,  
83.1640

■ 87.5154, 90.5057,  
89.2018

■ 33.9751, 41.8787,  
82.6377

■ 89.3948, 94.2645,  
89.8283

■ 31.5873, 38.7474,  
82.1592

■ 91.3377, 98.1502,  
90.4759

■ 29.7825, 36.0002,  
81.7240

■ 91.5657, 98.6063,  
90.5519

■ 28.9159, 34.5266,  
81.4853

# Harmonies

## Analogous

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



55.4563, 64.6820, 76.9221



57.2828, 64.6820, 85.8097



60.2776, 64.6820, 90.7181

# Triad

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



57.2828, 64.6820, 85.8097



68.2058, 64.6820, 73.9462



59.3032, 64.6820, 54.0496

# Complementary

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



57.2828, 64.6820, 85.8097



59.7466, 57.5522, 49.0353

# 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.



62.6949, 64.6820, 53.4136



57.2828, 64.6820, 85.8097



67.9212, 64.6820, 64.3096

# Square

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



57.2828, 64.6820, 85.8097



66.6377, 64.6820, 83.4574



65.8738, 64.6820, 57.0034



56.5924, 64.6820, 58.8300



# Rectangle

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



57.2828, 64.6820, 85.8097



62.5707, 64.6820, 90.7914



65.8738, 64.6820, 57.0034



60.3987, 64.6820, 53.3621

# Sweetspot

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



57.2847, 64.6846, 85.8112



87.2790, 93.7581, 108.1048



56.1590, 70.7032, 59.9402



18.5443, 19.9567, 23.1246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

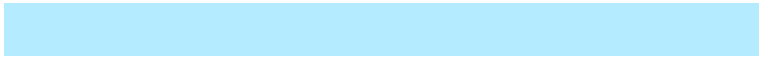


# Same Dimension

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



57.2847, 64.6846, 85.8112



66.8821, 76.5784, 105.8638



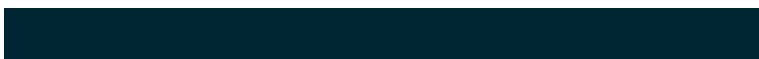
50.6832, 51.4815, 83.6107



14.4638, 15.6491, 18.4026



16.1617, 19.3855, 45.2731



1.2698, 1.5835, 3.3707



# Inverse Universe

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



61.3300, 53.2177, 72.6882



72.7977, 60.3375, 86.5548



66.4305, 70.9199, 51.2633



14.8217, 14.5459, 17.2615



22.5512, 11.1547, 22.3292

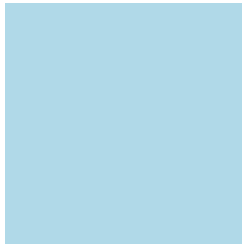


1.7046, 0.8395, 1.8507



# Previews

## White Background



This preview shows how the XYZ color 57.2828, 64.6820, 85.8097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

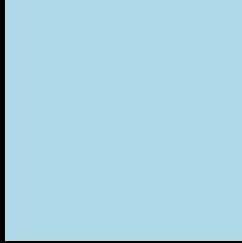
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.2828, 64.6820, 85.8097 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 57.2828, 64.6820, 85.8097**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.2828, 64.6820, 85.8097.



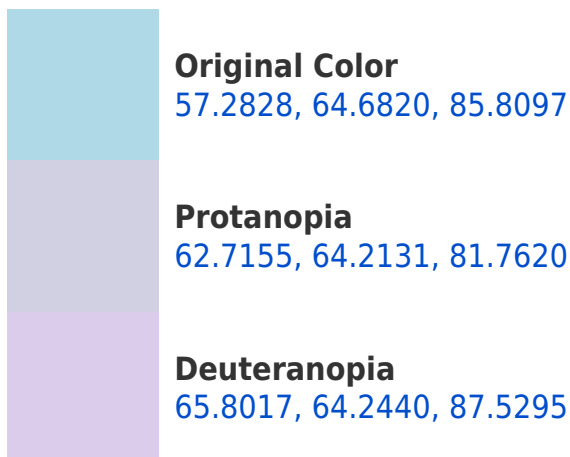
This preview shows how white text looks on a background with the XYZ color 57.2828, 64.6820,



# 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

57.5686, 64.7963, 87.3147

# Trichromacy



## Original Color

57.2828, 64.6820, 85.8097

## Protanomaly

60.4631, 64.1160, 83.3176

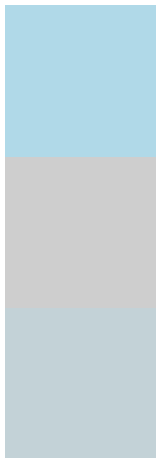
## Deuteranomaly

62.2803, 64.2380, 86.9585

## Tritanomaly

57.4253, 64.7390, 86.5600

# Monochromacy



## Original Color

57.2828, 64.6820, 85.8097

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

57.8180, 62.6016, 73.3260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.2828, 64.6820, 85.8097 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(176, 217, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 217, 232)  
}
```

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(176, 217, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 217, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 57.2828, 64.6820, 85.8097 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(176, 217, 232) }
```



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

```
.border{ border-color:rgb(176, 217, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 217, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 217, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 217, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 217,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.2828, 64.6820, 85.8097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 217, 232) }
```

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

```
.background{ background-color: rgb(176,  
217, 232) }
```

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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