

Converting Colors

XYZ(48.2451, 57.3675, 80.7075)

Have a look what the booklet for
XYZ(48.2451, 57.3675, 80.7075)
contains.

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Color

**XYZ(48.2757, 57.5135,
80.5083)**

Conversions

Conversions Part 1

Format	Color
Hex	90D2E2
RGB	144, 210, 226
RGB Percent	56%, 82%, 89%
CMY	0.4353, 0.1765, 0.1137
CMYK	0.36, 0.07, 0.00, 0.11
HSL	192°, 59%, 73%
HSV	192°, 36%, 89%
XYZ	48.2757, 57.5135, 80.5083
YIQ	192.0900, -44.4720, -9.0160

Conversions

Conversions Part 2

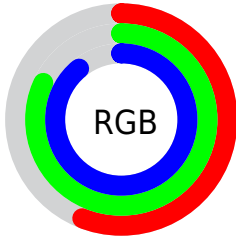
Format	Color
RYB	144, 181, 226
Decimal	9491170
CIELab	80.47, -16.88, -14.53
CIELCh	80, 22.268, 220.727
Yxy	57.5135, 0.2591, 0.3087
Android (android.graphics.Color)	4287681250 (0xFF90D2E2)
YUV	192.0900, 16.7176, -42.1749
Hunter-Lab	75.8377, -19.0888, -9.8552

Details

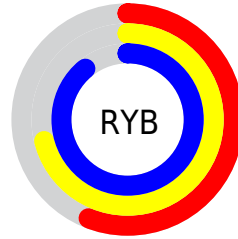
The XYZ color **48.2757, 57.5135, 80.5083** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.9698, 43.3248, 32.1686**, and the grayscale version is **50.0810, 52.6891, 57.3785**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **23.1919, 28.5068, 42.8081** is the 20% darker color. If you saturate the color by 10%, you get **43.6433, 53.5329, 79.9851**, and if you desaturate by 10%, it is **53.7317, 61.9660, 81.0811**.

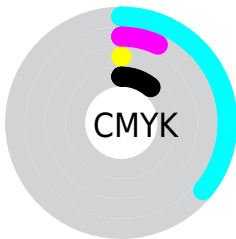
Distribution



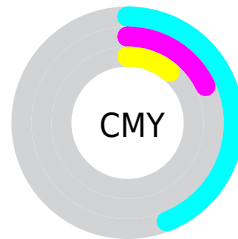
- Red (56%)
- Green (82%)
- Blue (89%)



- Red (56%)
- Yellow (71%)
- Blue (89%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (44%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2757, 57.5135, 80.5083 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 48.2757, 57.5135, 80.5083 by changing the saturation by 10% instead.

■ 48.2757, 57.5135,
80.5083

■ 48.2757, 57.5135,
80.5083

370.4483,
415.3707, 516.3961

■ 34.2574, 41.4177,
59.6081

■ 86.8220, 101.2141,
135.8980

■ 23.2553, 28.6456,
42.6796

■ 112.0807,
129.5876, 171.2246

■ 14.9038, 18.8129,
29.3043

141.8169,
162.8224, 212.1970

■ 8.8378, 11.5351,
19.0636

176.3960,
201.3030, 259.2338

■ 4.6918, 6.4280,
11.5389

216.1833,
245.4137, 312.7536

■ 2.1005, 3.1070,
6.3119

261.5443,

■ 0.6895, 1.1879,

295.5390, 373.1749

2.9638

312.8441,
352.0632, 440.9162

■ 0.0000, 0.0518,
1.0762

■ 0.0000, 0.0000,
0.0000

■ 48.2757, 57.5135,
80.5083

■ 48.2757, 57.5135,
80.5083

■ 43.6433, 53.5329,
79.9851

■ 53.7317, 61.9660,
81.0811

■ 39.7817, 49.9924,
79.5053

■ 60.0498, 66.9063,
81.7017

■ 36.6398, 46.8668,
79.0676

■ 67.2722, 72.3582,
82.3734

■ 34.1581, 44.1250,
78.6691

■ 75.4369, 78.3414,
83.0979

■ 32.2670, 41.7307,
78.3067

■ 83.8383, 84.4924,
83.8424

■ 30.8797, 39.6389,
77.9760

■ 85.0955, 87.0068,
84.2614

■ 30.4370, 38.9097,
77.8586

■ 86.3840, 89.5838,
84.6910

■ 87.7041, 92.2240,
85.1310

■ 89.0561, 94.9279,
85.5816

Harmonies

Analogous

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



46.4819, 57.5135, 67.4215



48.2757, 57.5135, 80.5083



51.8169, 57.5135, 89.4920

Triad

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



48.2757, 57.5135, 80.5083



63.3812, 57.5135, 71.2969



53.0465, 57.5135, 41.0179

Complementary

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



48.2757, 57.5135, 80.5083



48.9698, 43.3248, 32.1686

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.



57.6153, 57.5135, 41.7540



48.2757, 57.5135, 80.5083



63.7558, 57.5135, 58.0567

Square

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



48.2757, 57.5135, 80.5083



60.5975, 57.5135, 83.6830



61.5942, 57.5135, 47.6036



49.1326, 57.5135, 45.4298

Rectangle

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



48.2757, 57.5135, 80.5083



54.7763, 57.5135, 91.2899



61.5942, 57.5135, 47.6036



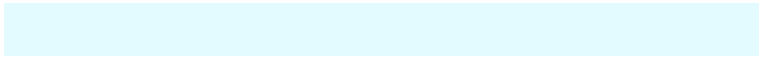
54.5536, 57.5135, 40.6888

Sweetspot

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



48.2775, 57.5158, 80.5096



83.7517, 91.6207, 107.8781



44.9602, 62.8276, 42.5749



17.6506, 19.4022, 23.0647



0.0000, 0.0000, 0.0000



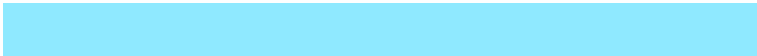
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2775, 57.5158, 80.5096



58.5132, 71.3819, 105.3019



39.5990, 40.1588, 77.6168



13.8775, 15.0941, 17.5697



17.4485, 22.3665, 44.4459



1.2683, 1.6680, 3.1004

Inverse Universe

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



52.9716, 40.7700, 66.0527



65.7562, 46.7344, 82.7281



57.0613, 59.5077, 34.8658



14.1744, 13.8874, 16.6885



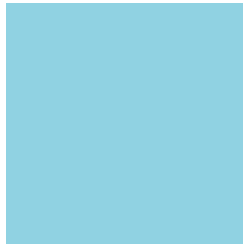
22.7474, 11.1660, 26.3992



1.6064, 0.7858, 1.9863

Previews

White Background



This preview shows how the XYZ color 48.2757, 57.5135, 80.5083 looks on a white background.

Color Contrast Check

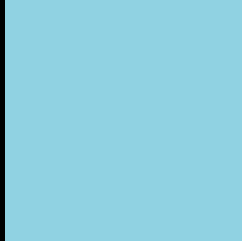
Large Text (above 18pt) WCAG AA × Fail

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 48.2757, 57.5135, 80.5083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

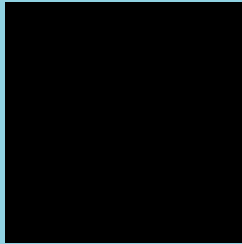
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2757, 57.5135, 80.5083

Background



This preview shows how black text looks on a background with the XYZ color 48.2757, 57.5135, 80.5083.



This preview shows how white text looks on a background with the XYZ color 48.2757, 57.5135,

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

48.2757, 57.5135, 80.5083

Protanopia

55.8749, 57.3204, 74.4487

Deuteranopia

58.3365, 57.0781, 82.0712



Tritanopia

48.4133, 57.5685, 81.2332

Trichromacy



Original Color

48.2757, 57.5135, 80.5083

Protanomaly

52.5318, 56.9265, 76.6258

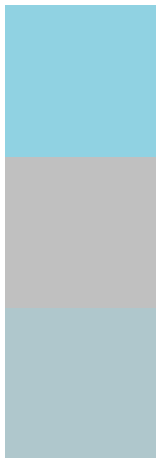
Deuteranomaly

53.9493, 56.8551, 81.5295

Tritanomaly

48.4133, 57.5685, 81.2332

Monochromacy



Original Color

48.2757, 57.5135, 80.5083

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.0017, 54.3204, 65.0290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2757, 57.5135, 80.5083 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(144, 210, 226)` looks like.

```
.text, #text, p{  
    color:rgb(144, 210, 226)  
}
```

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(144, 210, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 210, 226) }
```

Border

The CSS property to change the border of an element to XYZ 48.2757, 57.5135, 80.5083 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(144, 210, 226) }
```


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

```
.border{ border-color:rgb(144, 210, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 210, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 210, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 210, 226);  
box-shadow:4px 4px 4px 4px rgb(144, 210,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2757, 57.5135, 80.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 210, 226) }
```

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

```
.background{ background-color: rgb(144,  
210, 226) }
```

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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