

Converting Colors

XYZ(48.4511, 57.6039, 80.5165)

Have a look what the booklet for
XYZ(48.4511, 57.6039, 80.5165)
contains.

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Color

**XYZ(48.4511, 57.6039,
80.5165)**

Conversions

Conversions Part 1

Format	Color
Hex	91D2E2
RGB	145, 210, 226
RGB Percent	57%, 82%, 89%
CMY	0.4314, 0.1765, 0.1137
CMYK	0.36, 0.07, 0.00, 0.11
HSL	192°, 58%, 73%
HSV	192°, 36%, 89%
XYZ	48.4511, 57.6039, 80.5165
YIQ	192.3890, -43.8760, -8.8040

Conversions

Conversions Part 2

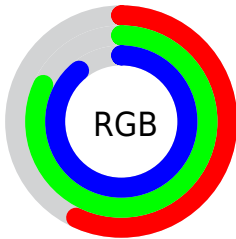
Format	Color
R _Y B	145, 181, 226
Decimal	9556706
CIE Lab	80.52, -16.61, -14.45
CIE LCh	81, 22.015, 221.017
Yxy	57.6039, 0.2597, 0.3087
Android (android.graphics.Color)	4287746786 (0xFF91D2E2)
YUV	192.3890, 16.5702, -41.5602
Hunter-Lab	75.8972, -18.8697, -9.7705

Details

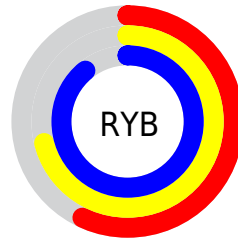
The XYZ color **48.4511, 57.6039, 80.5165** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.2206, 43.7035, 32.6309**, and the grayscale version is **50.2562, 52.8734, 57.5791**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **23.2885, 28.5566, 42.8126** is the 20% darker color. If you saturate the color by 10%, you get **43.7717, 53.5796, 79.9874**, and if you desaturate by 10%, it is **53.9569, 62.1025, 81.0956**.

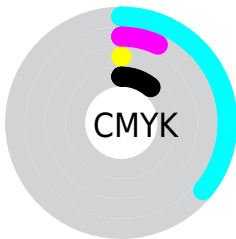
Distribution



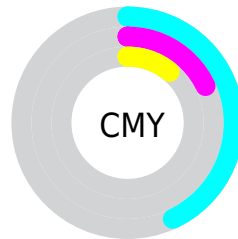
- Red (57%)
- Green (82%)
- Blue (89%)



- Red (57%)
- Yellow (71%)
- Blue (89%)



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





- Cyan (43%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4511, 57.6039, 80.5165 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 48.4511, 57.6039, 80.5165 by changing the saturation by 10% instead.


 48.4511, 57.6039,
80.5165


 48.4511, 57.6039,
80.5165


371.1303,
415.7084, 516.4244

 34.3970, 41.4903,
59.6148


 87.0813, 101.3458,
135.9096

 23.3631, 28.7024,
42.6850

 112.3881,
129.7429, 171.2381

 14.9840, 18.8558,
29.3084


142.1765,
163.0033, 212.2126

 8.8944, 11.5661,
19.0667

176.8119,
201.5114, 259.2517

 4.7289, 6.4490,
11.5412

216.6597,
245.6515, 312.7739

 2.1222, 3.1200,
6.3134

262.0850,

 0.7013, 1.1947,

295.8081, 373.1977

2.9647

313.4535,
352.3656, 440.9417

■ 0.0000, 0.0574,
1.0766

■ 0.0000, 0.0000,
0.0000

■ 48.4511, 57.6039,
80.5165

■ 48.4511, 57.6039,
80.5165

■ 43.7717, 53.5796,
79.9874

■ 53.9569, 62.1025,
81.0956

■ 39.8659, 49.9981,
79.5019

■ 60.3274, 67.0916,
81.7228

■ 36.6831, 46.8342,
79.0590

■ 67.6047, 72.5945,
82.4015

■ 34.1639, 44.0569,
78.6557

■ 75.8267, 78.6310,
83.1333

■ 32.2395, 41.6303,
78.2887

■ 83.9150, 84.6458,
83.8679

■ 30.8246, 39.5102,
77.9541

■ 85.1899, 87.1955,
84.2929

■ 30.3258, 38.6873,
77.8215

■ 86.4968, 89.8094,
84.7286

■ 87.8362, 92.4882,
85.1750

■ 89.2082, 95.2322,
85.6324

Harmonies

Analogous

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



46.6547, 57.6039, 67.5989



48.4511, 57.6039, 80.5165



51.9718, 57.6039, 89.3267

Triad

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



48.4511, 57.6039, 80.5165



63.3879, 57.6039, 71.1716



53.1066, 57.6039, 41.3227

Complementary

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



48.4511, 57.6039, 80.5165



49.2206, 43.7035, 32.6309

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.



57.6271, 57.6039, 42.0042



48.4511, 57.6039, 80.5165



63.7331, 57.6039, 58.0833

Square

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



48.4511, 57.6039, 80.5165



60.6553, 57.6039, 83.4397



61.5741, 57.6039, 47.7618



49.2424, 57.6039, 45.7515

Rectangle

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



48.4511, 57.6039, 80.5165



54.9051, 57.6039, 91.0464



61.5741, 57.6039, 47.7618



54.5967, 57.6039, 40.9793

Sweetspot

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



48.4529, 57.6062, 80.5178



83.7308, 91.5788, 107.8711



45.2067, 62.9464, 42.9576



17.6456, 19.3921, 23.0630



0.0000, 0.0000, 0.0000



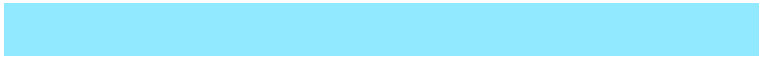
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4529, 57.6062, 80.5178



59.0251, 71.7440, 105.3448



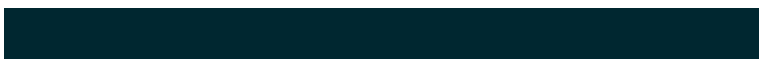
39.9028, 40.5060, 77.6678



13.8746, 15.0883, 17.5687



17.3857, 22.2410, 44.4250



1.2644, 1.6604, 3.0991

Inverse Universe

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



53.1237, 41.0742, 66.1034



66.1761, 47.5208, 83.0328



57.2115, 59.6852, 35.2945



14.1729, 13.8868, 16.6807



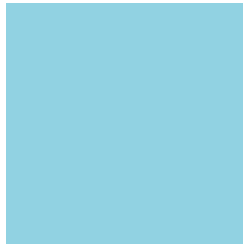
22.7157, 11.1533, 26.2324



1.6045, 0.7851, 1.9761

Previews

White Background



This preview shows how the XYZ color 48.4511, 57.6039, 80.5165 looks on a white background.

Color Contrast Check

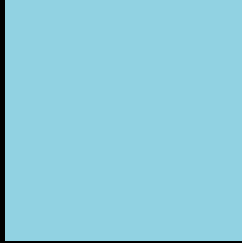
Large Text (above 18pt) WCAG AA × Fail

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 48.4511, 57.6039, 80.5165 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 48.4511, 57.6039, 80.5165

Background



This preview shows how black text looks on a background with the XYZ color 48.4511, 57.6039, 80.5165.



This preview shows how white text looks on a background with the XYZ color 48.4511, 57.6039,

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

48.4511, 57.6039, 80.5165

Protanopia

55.8749, 57.3204, 74.4487

Deuteranopia

58.3365, 57.0781, 82.0712



Tritanopia

48.5888, 57.6590, 81.2414

Trichromacy



Original Color

48.4511, 57.6039, 80.5165

Protanomaly

52.5318, 56.9265, 76.6258

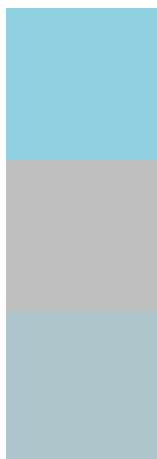
Deuteranomaly

54.1863, 56.9773, 81.5406

Tritanomaly

48.5888, 57.6590, 81.2414

Monochromacy



Original Color

48.4511, 57.6039, 80.5165

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 48.4511, 57.6039, 80.5165 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(145, 210, 226)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 210, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 210, 226) }
```

Border

The CSS property to change the border of an element to XYZ 48.4511, 57.6039, 80.5165 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(145, 210, 226) }
```


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

```
.border{ border-color:rgb(145, 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(145, 210, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 210, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 210, 226);  
box-shadow:4px 4px 4px 4px rgb(145, 210,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4511, 57.6039, 80.5165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 210, 226) }
```

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

```
.background{ background-color: rgb(145,  
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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