

Converting Colors

XYZ(33.1839, 50.2036, 42.0507)

Have a look what the booklet for
XYZ(33.1839, 50.2036, 42.0507)
contains.

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Color

**XYZ(33.1598, 50.1880,
42.1220)**

Conversions

Conversions Part 1

Format	Color
Hex	56D1A2
RGB	86, 209, 162
RGB Percent	34%, 82%, 64%
CMY	0.6627, 0.1804, 0.3647
CMYK	0.59, 0.00, 0.22, 0.18
HSL	157°, 57%, 58%
HSV	157°, 59%, 82%
XYZ	33.1598, 50.1880, 42.1220
YIQ	166.8650, -58.2210, -40.6930

Conversions

Conversions Part 2

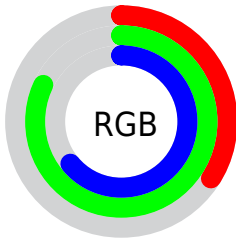
Format	Color
RYB	86, 162, 209
Decimal	5689762
CIELab	76.18, -45.36, 13.21
CIELCh	76, 47.243, 163.763
Yxy	50.1880, 0.2643, 0.4000
Android (android.graphics.Color)	4283879842 (0xFF56D1A2)
YUV	166.8650, -2.3984, -70.9186
Hunter-Lab	70.8435, -40.4254, 14.3379

Details

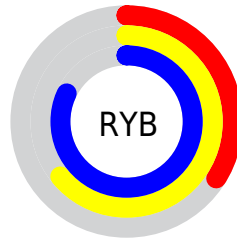
The XYZ color **33.1598, 50.1880, 42.1220** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **33.8576, 21.9055, 24.6358**, and the grayscale version is **36.6977, 38.6088, 42.0450**.

A 20% lighter version of the original color is **60.1384, 82.6407, 78.4273**, and **14.3701, 24.2370, 18.6727** is the 20% darker color. If you saturate the color by 10%, you get **30.8222, 49.0636, 38.4243**, and if you desaturate by 10%, it is **36.1078, 51.6244, 46.0859**.

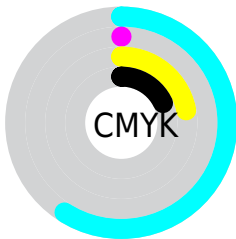
Distribution



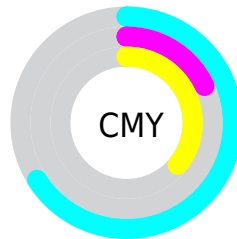
- Red (34%)
- Green (82%)
- Blue (64%)



- Red (34%)
- Yellow (64%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (22%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1598, 50.1880, 42.1220 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 33.1598, 50.1880, 42.1220 by changing the saturation by 10% instead.


 33.1598, 50.1880,
42.1220


 33.1598, 50.1880,
42.1220


308.0215,
387.4007, 370.8030


 22.4087, 35.5628,
28.8705


 63.9779, 90.4534,
79.6563

 14.2758, 24.0967,
18.7382

 84.7757, 116.8623,
104.7763

 8.3957, 15.4054,
11.3064


 109.6531,
147.9680, 134.6895

 4.4031, 9.1044,
6.1565

 138.9754,
184.1547, 169.8144

 1.9326, 4.8093,
2.8702

173.1081,
225.8070, 210.5697

 0.5957, 2.1358,
1.0287

212.4164,

 0.0000, 0.6847,

273.3091, 257.3739

0.0000

257.2657,
327.0456, 310.6455

■ 0.0000, 0.0000,
0.0000

■ 33.1598, 50.1880,
42.1220

■ 33.1598, 50.1880,
42.1220

■ 30.8222, 49.0636,
38.4243

■ 36.1078, 51.6244,
46.0859

■ 29.0393, 48.2189,
34.9825

■ 39.7074, 53.3901,
50.3189

■ 27.7522, 47.6247,
31.7905

■ 44.0008, 55.5080,
54.8280

■ 26.8644, 47.2314,
28.8393

■ 49.0254, 57.9975,
59.6192

■ 26.7730, 47.1914,
28.5147

■ 54.8159, 60.8762,
64.6978

■ 61.4047, 64.1608,
70.0694

■ 68.8223, 67.8669,
75.7389

■ 77.0975, 72.0093,
81.7114

■ 78.8756, 72.7964,
87.6464

Harmonies

Analogous

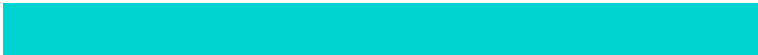
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8746, 50.1880, 26.4677



33.1598, 50.1880, 42.1220



33.0108, 50.1880, 67.0785

Triad

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



33.1598, 50.1880, 42.1220



51.8658, 50.1880, 116.9563



61.0759, 50.1880, 27.3958

Complementary

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



33.1598, 50.1880, 42.1220



33.8576, 21.9055, 24.6358

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.



66.2106, 50.1880, 43.8536



33.1598, 50.1880, 42.1220



60.4654, 50.1880, 97.9344

Square

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



33.1598, 50.1880, 42.1220



43.1011, 50.1880, 116.0544



65.9743, 50.1880, 69.4352



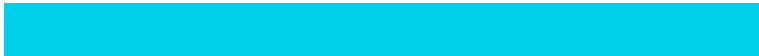
52.6196, 50.1880, 19.9422

Rectangle

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



33.1598, 50.1880, 42.1220



34.9090, 50.1880, 86.4483



65.9743, 50.1880, 69.4352



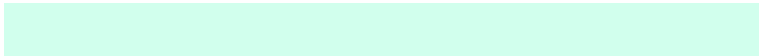
63.2917, 50.1880, 31.7917

Sweetspot

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



33.1612, 50.1900, 42.1232



77.4362, 91.2313, 94.0019



34.1783, 51.2737, 16.9002



16.0470, 19.2655, 19.6351



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.



33.1612, 50.1900, 42.1232



47.4236, 76.5112, 58.6205



34.7847, 45.4574, 67.2648



11.9589, 13.3273, 14.1400



16.5562, 29.1154, 17.8408



0.9638, 1.6432, 1.1979

Inverse Universe

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



33.8576, 21.9055, 24.6358



48.6535, 28.1381, 28.9068



32.5665, 23.4100, 11.6069



11.9930, 11.8819, 13.2389



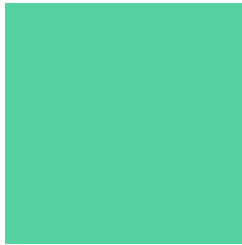
17.1467, 8.7315, 5.6788



0.9970, 0.5035, 0.5190

Previews

White Background



This preview shows how the XYZ color 33.1598, 50.1880, 42.1220 looks on a white background.

Color Contrast Check

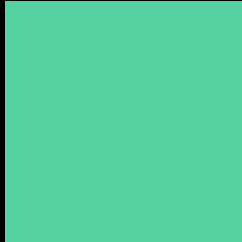
Large Text (above 18pt) WCAG AA × Fail

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 33.1598, 50.1880, 42.1220 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

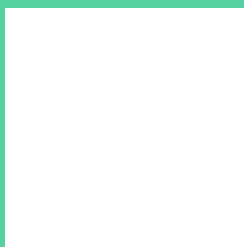
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1598, 50.1880, 42.1220

Background



This preview shows how black text looks on a background with the XYZ color 33.1598, 50.1880, 42.1220.

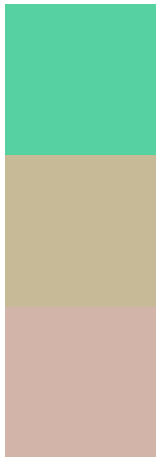


This preview shows how white text looks on a background with the XYZ color 33.1598, 50.1880,

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

33.1598, 50.1880, 42.1220

Protanopia

46.4335, 49.3579, 36.3579

Deuteranopia

50.2531, 49.3186, 43.9166



Tritanopia

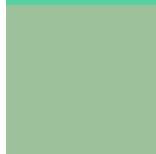
39.6011, 50.3063, 73.9525

Trichromacy



Original Color

33.1598, 50.1880, 42.1220



Protanomaly

39.1128, 48.1182, 38.2366



Deuteranomaly

41.2396, 48.1218, 43.1913



Tritanomaly

37.0614, 50.3365, 61.1887

Monochromacy



Original Color

33.1598, 50.1880, 42.1220



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.0007, 41.5758, 41.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1598, 50.1880, 42.1220 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(86, 209, 162)` looks like.

```
.text, #text, p{  
    color:rgb(86, 209, 162)  
}
```

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(86, 209, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 209, 162) }
```

Border

The CSS property to change the border of an element to XYZ 33.1598, 50.1880, 42.1220 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(86, 209, 162) }
```


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

```
.border{ border-color:rgb(86, 209, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 209, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 209, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 209, 162);  
box-shadow:4px 4px 4px 4px rgb(86, 209,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1598, 50.1880, 42.1220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 209, 162) }
```

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

```
.background{ background-color: rgb(86, 209,  
162) }
```

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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