

Converting Colors

XYZ(33.6236, 50.8903, 38.1877)

Have a look what the booklet for
XYZ(33.6236, 50.8903, 38.1877)
contains.

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Color

**XYZ(33.6202, 50.8799,
38.1858)**

Conversions

Conversions Part 1

Format	Color
Hex	60D299
RGB	96, 210, 153
RGB Percent	38%, 82%, 60%
CMY	0.6235, 0.1765, 0.4000
CMYK	0.54, 0.00, 0.27, 0.18
HSL	150°, 56%, 60%
HSV	150°, 54%, 82%
XYZ	33.6202, 50.8799, 38.1858
YIQ	169.4160, -49.6470, -41.8950

Conversions

Conversions Part 2

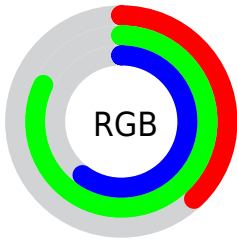
Format	Color
RYB	96, 172, 210
Decimal	6345369
CIELab	76.61, -45.56, 18.63
CIELCh	77, 49.216, 157.763
Yxy	50.8799, 0.2740, 0.4147
Android (android.graphics.Color)	4284535449 (0xFF60D299)
YUV	169.4160, -8.0931, -64.3858
Hunter-Lab	71.3301, -40.6949, 18.1909

Details

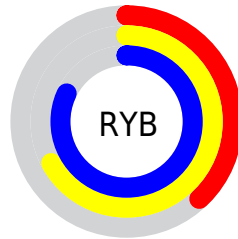
The XYZ color **33.6202, 50.8799, 38.1858** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.5126, 24.3684, 32.9179**, and the grayscale version is **37.9757, 39.9534, 43.5093**.

A 20% lighter version of the original color is **60.4716, 82.9441, 72.4971**, and **14.6263, 24.6632, 16.5600** is the 20% darker color. If you saturate the color by 10%, you get **30.8696, 49.5591, 33.7279**, and if you desaturate by 10%, it is **37.0400, 52.5395, 43.0757**.

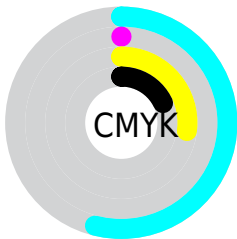
Distribution



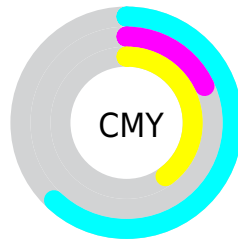
- Red (38%)
- Green (82%)
- Blue (60%)



- Red (38%)
- Yellow (67%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (27%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6202, 50.8799, 38.1858 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 33.6202, 50.8799, 38.1858 by changing the saturation by 10% instead.

 33.6202, 50.8799,
38.1858


 33.6202, 50.8799,
38.1858


310.0510,
390.0970, 353.7384


 22.7635, 36.1130,
25.8240


 64.6908, 91.4772,
73.5994


 14.5387, 24.5215,
16.4674


 85.6355, 118.0765,
97.4883

 8.5805, 15.7209,
9.6976


 110.6734,
149.3886, 126.0566

 4.5235, 9.3269,
5.0959

 140.1701,
185.7981, 159.7228

 2.0023, 4.9550,
2.2439

174.4909,
227.6893, 198.9056

 0.6353, 2.2209,
0.6996

214.0010,

 0.0000, 0.7313,

275.4466, 244.0234

0.0000

259.0660,
329.4543, 295.4948

■ 0.0000, 0.0000,
0.0000

■ 33.6202, 50.8799,
38.1858

■ 33.6202, 50.8799,
38.1858

■ 30.8696, 49.5591,
33.7279

■ 37.0400, 52.5395,
43.0757

■ 28.7339, 48.5454,
29.6859

■ 41.1695, 54.5547,
48.4060

■ 27.1568, 47.8112,
26.0477

■ 46.0508, 56.9482,
54.1893

■ 26.0684, 47.3210,
22.7989

■ 51.7215, 59.7391,
60.4366

■ 25.5973, 47.1150,
21.1096

■ 58.2164, 62.9453,
67.1583

65.5683, 66.5835,
74.3647

73.8082, 70.6693,
82.0655

79.5743, 73.4698,
90.1117

81.1542, 74.1017,
98.4309

Harmonies

Analogous

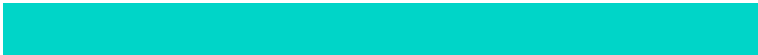
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.2118, 50.8799, 23.9674



33.6202, 50.8799, 38.1858



32.7131, 50.8799, 62.6112

Triad

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



33.6202, 50.8799, 38.1858



50.8164, 50.8799, 123.2405



63.9242, 50.8799, 29.5765

Complementary

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



33.6202, 50.8799, 38.1858



36.5126, 24.3684, 32.9179

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.



68.3371, 50.8799, 48.7641



33.6202, 50.8799, 38.1858



60.1621, 50.8799, 106.5697

Square

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



33.6202, 50.8799, 38.1858



41.9013, 50.8799, 117.6347



66.8787, 50.8799, 77.1365



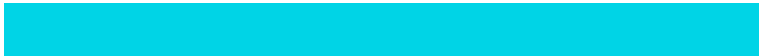
55.4501, 50.8799, 20.2232

Rectangle

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



33.6202, 50.8799, 38.1858



34.1953, 50.8799, 82.8530



66.8787, 50.8799, 77.1365



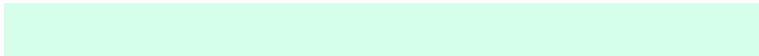
65.9782, 50.8799, 34.7988

Sweetspot

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



33.6216, 50.8820, 38.1870



78.4876, 91.8213, 91.8809



38.6579, 53.8986, 19.4328



16.3961, 19.4548, 19.2277



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.



33.6216, 50.8820, 38.1870



47.3621, 76.6395, 51.3886



39.2696, 53.1412, 67.9290



11.8993, 13.3035, 13.8260



15.6641, 28.7586, 13.1434



0.9159, 1.6240, 0.9458

Inverse Universe

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



36.5126, 24.3684, 32.9179



52.2918, 31.4299, 42.4040



32.9625, 22.9483, 14.2232



12.0517, 11.9054, 13.5482



17.8186, 9.0003, 9.2168



1.0364, 0.5193, 0.7263

Previews

White Background



This preview shows how the XYZ color 33.6202, 50.8799, 38.1858 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 33.6202, 50.8799, 38.1858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

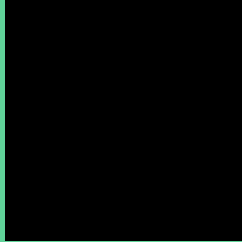
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6202, 50.8799, 38.1858

Background



This preview shows how black text looks on a background with the XYZ color 33.6202, 50.8799, 38.1858.

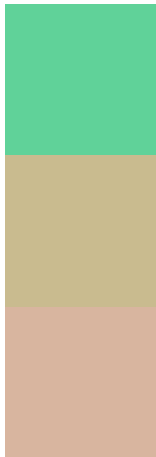


This preview shows how white text looks on a background with the XYZ color 33.6202, 50.8799,

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

33.6202, 50.8799, 38.1858

Protanopia

46.8156, 49.9413, 33.1588

Deuteranopia

51.1008, 50.1499, 39.7875



Tritanopia

40.8456, 50.9479, 74.0108

Trichromacy



Original Color

33.6202, 50.8799, 38.1858



Protanomaly

39.8858, 48.9233, 34.9447



Deuteranomaly

41.9487, 48.9043, 39.1268



Tritanomaly

37.7533, 50.7458, 58.8441

Monochromacy



Original Color

33.6202, 50.8799, 38.1858



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.9067, 42.6761, 41.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6202, 50.8799, 38.1858 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(96, 210, 153)` looks like.

```
.text, #text, p{  
    color:rgb(96, 210, 153)  
}
```

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(96, 210, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 210, 153) }
```

Border

The CSS property to change the border of an element to XYZ 33.6202, 50.8799, 38.1858 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(96, 210, 153) }
```


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

```
.border{ border-color:rgb(96, 210, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 210, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 210, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 210, 153);  
box-shadow:4px 4px 4px 4px rgb(96, 210,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6202, 50.8799, 38.1858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 210, 153) }
```

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

```
.background{ background-color: rgb(96, 210,  
153) }
```

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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