

Converting Colors

XYZ(33.1426, 49.0884, 38.3754)

Have a look what the booklet for
XYZ(33.1426, 49.0884, 38.3754)
contains.

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Color

**XYZ(33.1596, 49.1850,
38.3178)**

Conversions

Conversions Part 1

Format	Color
Hex	64CE9A
RGB	100, 206, 154
RGB Percent	39%, 81%, 60%
CMY	0.6078, 0.1921, 0.3961
CMYK	0.51, 0.00, 0.25, 0.19
HSL	151°, 52%, 60%
HSV	151°, 51%, 81%
XYZ	33.1596, 49.1850, 38.3178
YIQ	168.3780, -46.4840, -38.6440

Conversions

Conversions Part 2

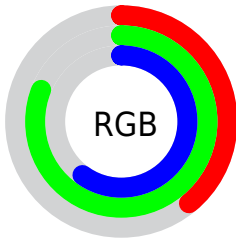
Format	Color
RYB	100, 170, 206
Decimal	6606490
CIELab	75.57, -42.69, 16.67
CIELCh	76, 45.834, 158.672
Yxy	49.1850, 0.2748, 0.4076
Android (android.graphics.Color)	4284796570 (0xFF64CE9A)
YUV	168.3780, -7.0884, -59.9675
Hunter-Lab	70.1320, -38.3332, 16.6983

Details

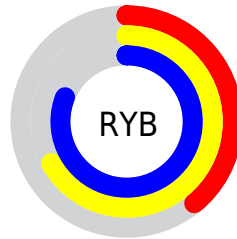
The XYZ color **33.1596, 49.1850, 38.3178** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.6799, 24.5044, 32.5571**, and the grayscale version is **37.4565, 39.4072, 42.9144**.

A 20% lighter version of the original color is **61.1733, 83.2915, 73.1743**, and **14.3141, 23.5246, 16.6182** is the 20% darker color. If you saturate the color by 10%, you get **30.3563, 47.8344, 33.9768**, and if you desaturate by 10%, it is **36.6124, 50.8649, 43.0613**.

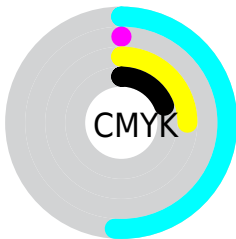
Distribution



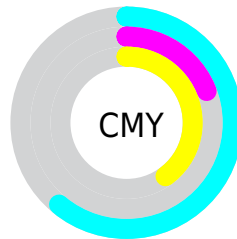
- Red (39%)
- Green (81%)
- Blue (60%)



- Red (39%)
- Yellow (67%)
- Blue (81%)



- Cyan (51%)
- Magenta (0%)
- Yellow (25%)
- Black (19%)



- Cyan (61%)
- Magenta (19%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1596, 49.1850, 38.3178 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 33.1596, 49.1850, 38.3178 by changing the saturation by 10% instead.

 33.1596, 49.1850,
38.3178


 33.1596, 49.1850,
38.3178


308.0206,
383.4702, 354.3203


 22.4086, 34.7663,
25.9257


 63.9776, 88.9662,
73.8038


 14.2757, 23.4829,
16.5428


 84.7753, 115.0974,
97.7348

 8.3956, 14.9505,
9.7506

 109.6526,
145.9015, 126.3491

 4.4031, 8.7846,
5.1304

 138.9749,
181.7630, 160.0654

 1.9326, 4.6010,
2.2639

173.1075,
223.0662, 199.3021

 0.5957, 2.0151,
0.7109

212.4157,

 0.0000, 0.6162,

270.1955, 244.4778

0.0000

257.2649,
323.5354, 296.0110

■ 0.0000, 0.0000,
0.0000

■ 33.1596, 49.1850,
38.3178

■ 33.1596, 49.1850,
38.3178

■ 30.3563, 47.8344,
33.9768

■ 36.6124, 50.8649,
43.0613

■ 28.1525, 46.7835,
30.0237

■ 40.7522, 52.8893,
48.2147

■ 26.4971, 46.0075,
26.4478

■ 45.6180, 55.2794,
53.7892

■ 25.3275, 45.4744,
23.2363

■ 51.2448, 58.0530,
59.7948

■ 24.6190, 45.1631,
20.7689

■ 57.6651, 61.2268,
66.2408

■ 64.9097, 64.8163,
73.1364

■ 73.0075, 68.8365,
80.4905

■ 78.2860, 71.3939,
88.1386

■ 79.7870, 71.9943,
96.0428

Harmonies

Analogous

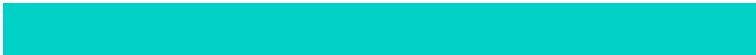
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2926, 49.1850, 24.7683



33.1596, 49.1850, 38.3178



32.4260, 49.1850, 60.8994

Triad

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



33.1596, 49.1850, 38.3178



49.2478, 49.1850, 114.1645



60.6521, 49.1850, 29.3758

Complementary

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



33.1596, 49.1850, 38.3178



35.6799, 24.5044, 32.5571

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.



64.7684, 49.1850, 46.8246



33.1596, 49.1850, 38.3178



57.6821, 49.1850, 98.8485

Square

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



33.1596, 49.1850, 38.3178



41.0720, 49.1850, 109.8131



63.6204, 49.1850, 72.3730



52.9261, 49.1850, 20.7959

Rectangle

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



33.1596, 49.1850, 38.3178



33.8658, 49.1850, 79.1957



63.6204, 49.1850, 72.3730



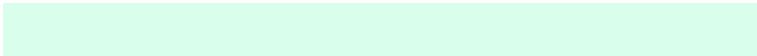
62.5438, 49.1850, 34.1472

Sweetspot

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



33.1609, 49.1870, 38.3189



79.4756, 92.3032, 93.1638



37.5101, 51.8371, 20.0859



16.5935, 19.5509, 19.4958



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.



33.1609, 49.1870, 38.3189



48.6588, 77.2478, 54.1707



38.4690, 51.3102, 66.2711



11.3025, 12.6308, 13.1506



15.2082, 27.8286, 13.0473



0.8229, 1.4510, 0.8747

Inverse Universe

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



35.6799, 24.5044, 32.5571



53.1904, 32.8649, 43.8204



32.3124, 23.1574, 14.8241



11.4379, 11.3039, 12.8404



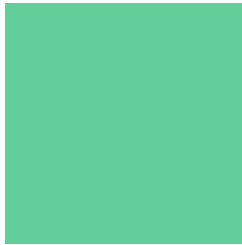
17.1705, 8.6788, 8.6166



0.9241, 0.4631, 0.6463

Previews

White Background



This preview shows how the XYZ color 33.1596, 49.1850, 38.3178 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 33.1596, 49.1850, 38.3178 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

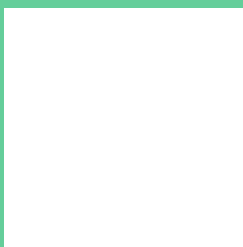
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1596, 49.1850, 38.3178

Background



This preview shows how black text looks on a background with the XYZ color 33.1596, 49.1850, 38.3178.



This preview shows how white text looks on a background with the XYZ color 33.1596, 49.1850,

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

33.1596, 49.1850, 38.3178

Protanopia

45.4090, 48.5819, 33.3695

Deuteranopia

49.4169, 48.3759, 39.9906



Tritanopia

39.6678, 49.0251, 70.9904

Trichromacy



Original Color

33.1596, 49.1850, 38.3178



Protanomaly

39.3156, 47.9594, 35.2019



Deuteranomaly

40.9494, 47.0930, 39.2793



Tritanomaly

36.9566, 48.9586, 57.3713

Monochromacy



Original Color

33.1596, 49.1850, 38.3178



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.6665, 41.9399, 40.9184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1596, 49.1850, 38.3178 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(100, 206, 154)` looks like.

```
.text, #text, p{  
    color:rgb(100, 206, 154)  
}
```

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(100, 206, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 206, 154) }
```

Border

The CSS property to change the border of an element to XYZ 33.1596, 49.1850, 38.3178 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(100, 206, 154) }
```


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

```
.border{ border-color:rgb(100, 206, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 206, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 206, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 206, 154);  
box-shadow:4px 4px 4px 4px rgb(100, 206,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1596, 49.1850, 38.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 206, 154) }
```

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

```
.background{ background-color: rgb(100,  
206, 154) }
```

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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