

Converting Colors

XYZ(33.5926, 40.8980, 49.8663)

Have a look what the booklet for
XYZ(33.5926, 40.8980, 49.8663)
contains.

XYZ(33.6168, 40.8960, 49.8380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.6168, 40.8960,
49.8380)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB5B5
RGB	127, 181, 181
RGB Percent	50%, 71%, 71%
CMY	0.5020, 0.2902, 0.2902
CMYK	0.30, 0.00, 0.00, 0.29
HSL	180°, 27%, 60%
HSV	180°, 30%, 71%
XYZ	33.6168, 40.8960, 49.8380
YIQ	164.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

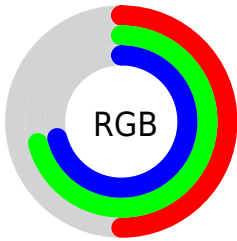
Format	Color
RYB	127, 154, 181
Decimal	8369589
CIELab	70.10, -17.54, -5.68
CIElCh	70, 18.433, 197.947
Yxy	40.8960, 0.2703, 0.3289
Android (android.graphics.Color)	4286559669 (0xFF7FB5B5)
YUV	164.8540, 7.9600, -33.1980
Hunter-Lab	63.9500, -18.0798, -1.4414

Details

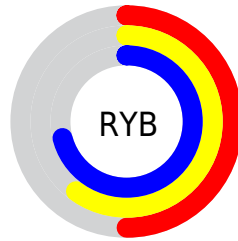
The XYZ color **33.6168, 40.8960, 49.8380** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.4777, 26.5360, 23.5960**, and the grayscale version is **35.6693, 37.5269, 40.8668**.

A 20% lighter version of the original color is **64.6263, 76.5066, 91.4818**, and **14.5171, 18.4927, 23.2264** is the 20% darker color. If you saturate the color by 10%, you get **31.1598, 39.6304, 49.7235**, and if you desaturate by 10%, it is **36.5605, 42.4145, 49.9770**.

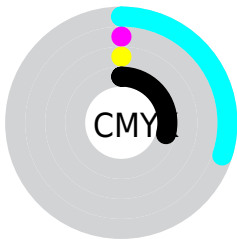
Distribution



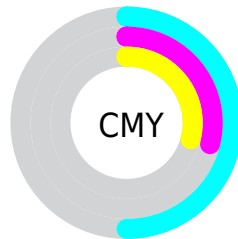
- Red (50%)
- Green (71%)
- Blue (71%)



- Red (50%)
- Yellow (60%)
- Blue (71%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (50%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6168, 40.8960, 49.8380 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 33.6168, 40.8960, 49.8380 by changing the saturation by 10% instead.

■ 33.6168, 40.8960,
49.8380

■ 33.6168, 40.8960,
49.8380

310.0361,
349.8858, 402.7490

■ 22.7609, 28.2378,
34.9144

■ 64.6856, 76.5260,
91.3286

■ 14.5368, 18.5050,
23.3139

■ 85.6291, 100.2666,
118.7328

■ 8.5791, 11.3132,
14.6180

■ 110.6659,
128.4702, 151.1342

■ 4.5226, 6.2779,
8.4081

140.1613,
161.5210, 188.9514

■ 2.0018, 3.0148,
4.2657

174.4807,
199.8036, 232.6029

■ 0.6350, 1.1395,
1.7722

213.9893,

■ 0.0000, 0.0114,

243.7024, 282.5073

0.4095

259.0527,
293.6016, 339.0832

■ 0.0000, 0.0000,
0.0000

■ 33.6168, 40.8960,
49.8380

■ 33.6168, 40.8960,
49.8380

■ 31.1598, 39.6304,
49.7235

■ 36.5605, 42.4145,
49.9770

■ 29.1599, 38.5994,
49.6295

■ 40.0113, 44.1935,
50.1389

■ 27.5901, 37.7902,
49.5557

■ 43.9928, 46.2460,
50.3256

■ 26.4187, 37.1863,
49.5005

■ 48.5261, 48.5830,
50.5382

■ 25.6100, 36.7694,
49.4622

■ 53.6310, 51.2147,
50.7775

■ 25.1218, 36.5177,
49.4390

■ 59.3266, 54.1509,
51.0444

■ 24.8684, 36.3871,
49.4267

■ 65.6309, 57.4009,
51.3399

■ 24.8647, 36.3852,
49.4265

■ 66.1058, 57.6456,
51.3625

■ 66.1059, 57.6457,
51.3629

Harmonies

Analogous

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



33.4771, 40.8960, 41.1543



33.6168, 40.8960, 49.8380



35.1187, 40.8960, 58.0155

Triad

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



33.6168, 40.8960, 49.8380



43.3315, 40.8960, 56.5886



40.0924, 40.8960, 30.1975

Complementary

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



33.6168, 40.8960, 49.8380



30.4777, 26.5360, 23.5960

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.



42.8803, 40.8960, 33.3131



33.6168, 40.8960, 49.8380



44.8140, 40.8960, 48.0829

Square

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



33.6168, 40.8960, 49.8380



40.6825, 40.8960, 62.2460



44.6447, 40.8960, 39.6107



37.1129, 40.8960, 30.5396

Rectangle

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



33.6168, 40.8960, 49.8380



36.7362, 40.8960, 61.7393



44.6447, 40.8960, 39.6107



41.0858, 40.8960, 30.8567

Sweetspot

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



33.6180, 40.8976, 49.8389



72.1132, 79.3818, 89.8154



29.2430, 39.1632, 26.0976



15.3799, 17.0509, 19.4026



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.6180, 40.8976, 49.8389



57.1353, 71.6604, 89.1125



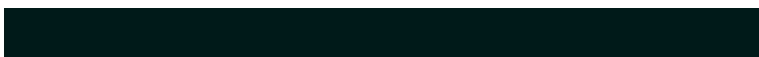
28.7989, 31.2590, 48.2337



8.7427, 9.6316, 10.9045



17.1405, 25.0822, 34.0723



0.5393, 0.7892, 1.0721

Inverse Universe

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



30.4777, 26.5360, 23.5960



50.5753, 41.6596, 34.2919



34.2959, 34.1728, 24.8680



8.4964, 8.5053, 8.8465



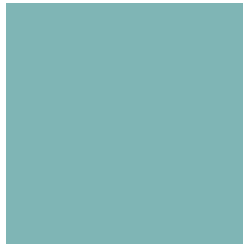
13.1369, 6.7723, 0.6150



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 33.6168, 40.8960, 49.8380 looks on a white background.

Color Contrast Check

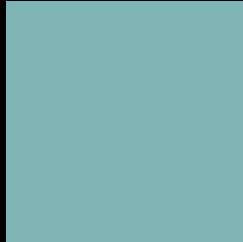
Large Text (above 18pt) WCAG AA × Fail

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 33.6168, 40.8960, 49.8380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

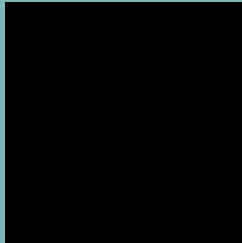
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6168, 40.8960, 49.8380

Background



This preview shows how black text looks on a background with the XYZ color 33.6168, 40.8960, 49.8380.

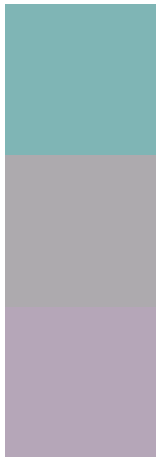


This preview shows how white text looks on a background with the XYZ color 33.6168, 40.8960,

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

33.6168, 40.8960, 49.8380

Protanopia

39.2483, 40.6897, 45.8297

Deuteranopia

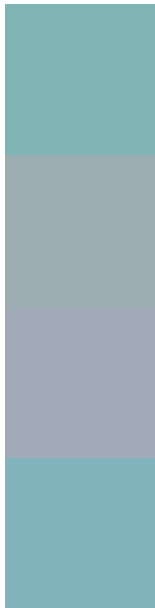
41.3440, 40.5569, 50.9966



Tritanopia

34.9517, 40.8363, 56.4921

Trichromacy



Original Color

33.6168, 40.8960, 49.8380

Protanomaly

36.7822, 40.5143, 47.4764

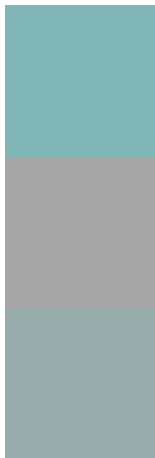
Deuteranomaly

37.8081, 40.1218, 50.5513

Tritanomaly

34.5598, 40.9838, 54.2333

Monochromacy



Original Color

33.6168, 40.8960, 49.8380

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.6761, 38.6454, 44.1598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6168, 40.8960, 49.8380 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(127, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(127, 181, 181)  
}
```

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(127, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 181, 181) }
```

Border

The CSS property to change the border of an element to XYZ 33.6168, 40.8960, 49.8380 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(127, 181, 181) }
```


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

```
.border{ border-color:rgb(127, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(127, 181,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6168, 40.8960, 49.8380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 181, 181) }
```

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

```
.background{ background-color: rgb(127,  
181, 181) }
```

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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