

Converting Colors

XYZ(33.3331, 39.5982, 49.2777)

Have a look what the booklet for
XYZ(33.3331, 39.5982, 49.2777)
contains.

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Color

**XYZ(33.3204, 39.5649,
49.0606)**

Conversions

Conversions Part 1

Format	Color
Hex	83B1B4
RGB	131, 177, 180
RGB Percent	51%, 69%, 71%
CMY	0.4863, 0.3059, 0.2941
CMYK	0.27, 0.02, 0.00, 0.29
HSL	184°, 25%, 61%
HSV	184°, 27%, 71%
XYZ	33.3204, 39.5649, 49.0606
YIQ	163.5880, -28.3790, -8.8190

Conversions

Conversions Part 2

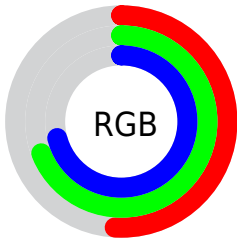
Format	Color
RYB	131, 155, 180
Decimal	8630708
CIELab	69.16, -14.51, -6.50
CIElCh	69, 15.898, 204.144
Yxy	39.5649, 0.2732, 0.3244
Android (android.graphics.Color)	4286820788 (0xFF83B1B4)
YUV	163.5880, 8.0911, -28.5797
Hunter-Lab	62.9006, -15.5192, -2.2140

Details

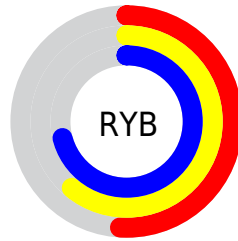
The XYZ color **33.3204, 39.5649, 49.0606** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.4445, 28.3922, 25.2964**, and the grayscale version is **35.0643, 36.8904, 40.1736**.

A 20% lighter version of the original color is **64.2868, 74.6482, 90.3772**, and **14.3467, 17.6531, 22.7299** is the 20% darker color. If you saturate the color by 10%, you get **30.5548, 37.8186, 48.8699**, and if you desaturate by 10%, it is **36.5744, 41.5676, 49.2763**.

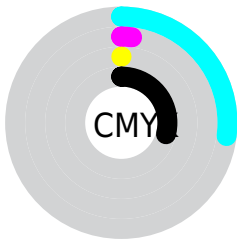
Distribution



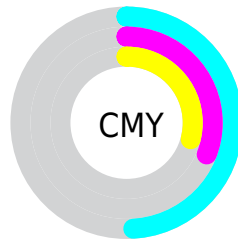
- Red (51%)
- Green (69%)
- Blue (71%)



- Red (51%)
- Yellow (61%)
- Blue (71%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)



- Cyan (49%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3204, 39.5649, 49.0606 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 33.3204, 39.5649, 49.0606 by changing the saturation by 10% instead.

■ 33.3204, 39.5649,
49.0606

■ 33.3204, 39.5649,
49.0606

308.7305,
344.2863, 399.6102

■ 22.5324, 27.1995,
34.3016

■ 64.2268, 74.5005,
90.1634

■ 14.3674, 17.7231,
22.8462

■ 85.0759, 97.8395,
117.3442

■ 8.4601, 10.7514,
14.2757

■ 110.0094,
125.6051, 149.5028

■ 4.4450, 5.8999,
8.1718

139.3926,
158.1817, 187.0576

■ 1.9568, 2.7843,
4.1157

173.5910,
195.9537, 230.4272

■ 0.6095, 1.0202,
1.6890

212.9699,

■ 0.0000, 0.0000,

239.3055, 280.0302

0.3532

257.8946,
288.6216, 336.2850

■ 0.0000, 0.0000,
0.0000

■ 33.3204, 39.5649,
49.0606

■ 33.3204, 39.5649,
49.0606

■ 30.5548, 37.8186,
48.8699

■ 36.5744, 41.5676,
49.2763

■ 28.2492, 36.3110,
48.7005

■ 40.3366, 43.8339,
49.5155

■ 26.3772, 35.0295,
48.5518

■ 44.6298, 46.3766,
49.7800

■ 24.9088, 33.9588,
48.4225

■ 49.4746, 49.2062,
50.0708

■ 23.8100, 33.0810,
48.3110

■ 54.8904, 52.3328,
50.3889

■ 23.0409, 32.3759,
48.2154

■ 60.8955, 55.7659,
50.7350

■ 22.5439, 31.8136,
48.1331

■ 66.7671, 59.1328,
51.0754

■ 22.4244, 31.6674,
48.1112

■ 66.9979, 59.5944,
51.1523

■ 67.2304, 60.0595,
51.2299

Harmonies

Analogous

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



32.9510, 39.5649, 41.6674



33.3204, 39.5649, 49.0606



34.8152, 39.5649, 55.4457

Triad

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



33.3204, 39.5649, 49.0606



41.7061, 39.5649, 51.8071



38.1060, 39.5649, 30.6044

Complementary

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



33.3204, 39.5649, 49.0606



31.4445, 28.3922, 25.2964

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.



40.5406, 39.5649, 32.7039



33.3204, 39.5649, 49.0606



42.6784, 39.5649, 44.5230

Square

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



33.3204, 39.5649, 49.0606



39.6395, 39.5649, 57.1522



42.2425, 39.5649, 37.6053



35.6418, 39.5649, 31.5301

Rectangle

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



33.3204, 39.5649, 49.0606



36.2860, 39.5649, 57.9915



42.2425, 39.5649, 37.6053



38.9561, 39.5649, 30.9716

Sweetspot

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



33.3216, 39.5665, 49.0615



72.4739, 79.0824, 89.7393



29.9468, 39.1744, 28.3374



15.4342, 16.9548, 19.3814



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.



33.3216, 39.5665, 49.0615



57.1368, 69.6794, 88.7327



28.9984, 30.9201, 47.6204



8.6973, 9.5407, 10.8895



15.6686, 22.1376, 33.5842



0.5063, 0.7232, 1.0611

Inverse Universe

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



34.8754, 29.1110, 45.3777



60.4806, 47.4753, 80.7387



35.1381, 35.7794, 26.5275



8.8271, 8.6376, 10.5881



18.1434, 8.7749, 26.9791



0.5776, 0.2788, 0.8843

Previews

White Background



This preview shows how the XYZ color 33.3204, 39.5649, 49.0606 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 33.3204, 39.5649, 49.0606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

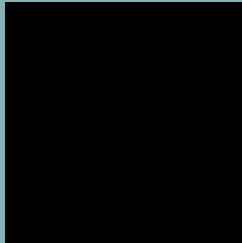
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3204, 39.5649, 49.0606

Background



This preview shows how black text looks on a background with the XYZ color 33.3204, 39.5649, 49.0606.

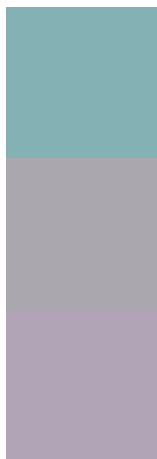


This preview shows how white text looks on a background with the XYZ color 33.3204, 39.5649,

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

33.3204, 39.5649, 49.0606

Protanopia

38.0363, 39.2395, 45.6136

Deuteranopia

40.1828, 39.4348, 50.2936



Tritanopia

34.4925, 39.7549, 54.5707

Trichromacy



Original Color

33.3204, 39.5649, 49.0606

Protanomaly

36.1097, 39.3283, 46.7622

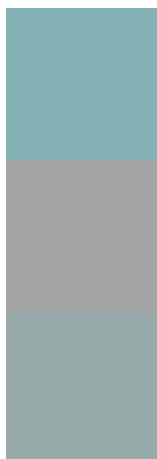
Deuteranomaly

37.3294, 39.3304, 49.8800

Tritanomaly

33.9040, 39.5014, 52.2920

Monochromacy



Original Color

33.3204, 39.5649, 49.0606

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.3926, 37.9536, 43.5433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3204, 39.5649, 49.0606 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(131, 177, 180)` looks like.

```
.text, #text, p{  
    color:rgb(131, 177, 180)  
}
```

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(131, 177, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 177, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.3204, 39.5649, 49.0606 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(131, 177, 180) }
```


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

```
.border{ border-color:rgb(131, 177, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 177, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 177, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 177, 180);  
box-shadow:4px 4px 4px 4px rgb(131, 177,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3204, 39.5649, 49.0606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 177, 180) }
```

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

```
.background{ background-color: rgb(131,  
177, 180) }
```

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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