

Converting Colors

XYZ(31.6669, 39.6596, 46.5435)

Have a look what the booklet for
XYZ(31.6669, 39.6596, 46.5435)
contains.

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Color

**XYZ(31.6669, 39.6596,
46.5435)**

Conversions

Conversions Part 1

Format	Color
Hex	77B4AF
RGB	119, 180, 175
RGB Percent	47%, 71%, 69%
CMY	0.5333, 0.2941, 0.3137
CMYK	0.34, 0.00, 0.03, 0.29
HSL	175°, 29%, 59%
HSV	175°, 34%, 71%
XYZ	31.6669, 39.6596, 46.5435
YIQ	161.1910, -34.7510, -14.4870

Conversions

Conversions Part 2

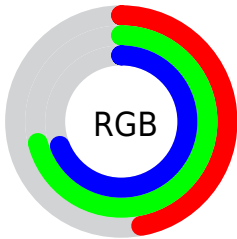
Format	Color
RYB	119, 151, 180
Decimal	7845039
CIELab	69.23, -20.73, -3.72
CIELCh	69, 21.061, 190.166
Yxy	39.6596, 0.2687, 0.3365
Android (android.graphics.Color)	4286035119 (0xFF77B4AF)
YUV	161.1910, 6.8078, -37.0015
Hunter-Lab	62.9759, -20.4505, 0.2637

Details

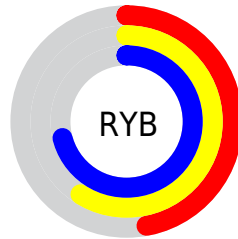
The XYZ color **31.6669, 39.6596, 46.5435** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.0587, 24.3534, 22.2395**, and the grayscale version is **33.9469, 35.7148, 38.8934**.

A 20% lighter version of the original color is **61.5120, 74.5883, 86.0179**, and **13.4793, 17.8021, 21.4646** is the 20% darker color. If you saturate the color by 10%, you get **29.2828, 38.4482, 45.6801**, and if you desaturate by 10%, it is **34.5228, 41.1160, 47.4390**.

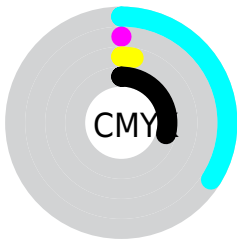
Distribution



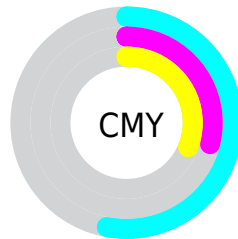
- Red (47%)
- Green (71%)
- Blue (69%)



- Red (47%)
- Yellow (59%)
- Blue (71%)



- Cyan (34%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)



- Cyan (53%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6669, 39.6596, 46.5435 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 31.6669, 39.6596, 46.5435 by changing the saturation by 10% instead.

■ 31.6669, 39.6596,
46.5435

■ 31.6669, 39.6596,
46.5435

301.3714,
344.6867, 389.3303

■ 21.2615, 27.2732,
32.3232

■ 61.6573, 74.6449,
86.3746

■ 13.4288, 17.7785,
21.3416

■ 81.9729, 98.0126,
112.8225

■ 7.8035, 10.7911,
13.1803

■ 106.3227,
125.8096, 144.1833

■ 4.0202, 5.9265,
7.4206

135.0721,
158.4201, 180.8756

■ 1.7136, 2.8005,
3.6441

168.5862,
196.2288, 223.3179

■ 0.4648, 1.0285,
1.4322

207.2306,

■ 0.0000, 0.0000,

239.6198, 271.9288

0.1666

251.3705,
288.9777, 327.1267

■ 0.0000, 0.0000,
0.0000

■ 31.6669, 39.6596,
46.5435

■ 31.6669, 39.6596,
46.5435

■ 29.2828, 38.4482,
45.6801

■ 34.5228, 41.1160,
47.4390

■ 27.3405, 37.4634,
44.8447

■ 37.8714, 42.8252,
48.3650

■ 25.8121, 36.6918,
44.0369

■ 41.7365, 44.8006,
49.3235

■ 24.6649, 36.1165,
43.2552

■ 46.1396, 47.0531,
50.3155

■ 23.8613, 35.7181,
42.4977

■ 51.1007, 49.5930,
51.3420

■ 23.3562, 35.4735,
41.7624

■ 56.6388, 52.4302,
52.4039

■ 23.1356, 35.3693,
41.3211

■ 62.7721, 55.5741,
53.5021

■ 66.5112, 57.4836,
54.4967

■ 66.6698, 57.5470,
55.3322

Harmonies

Analogous

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



31.9194, 39.6596, 37.1838



31.6669, 39.6596, 46.5435



32.9546, 39.6596, 56.3006

Triad

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



31.6669, 39.6596, 46.5435



42.0337, 39.6596, 58.9830



39.9382, 39.6596, 27.9649

Complementary

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



31.6669, 39.6596, 46.5435



29.0587, 24.3534, 22.2395

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.



42.8701, 39.6596, 32.2790



31.6669, 39.6596, 46.5435



44.1290, 39.6596, 49.7941

Square

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



31.6669, 39.6596, 46.5435



38.8512, 39.6596, 64.1591



44.4439, 39.6596, 39.9874



36.5625, 39.6596, 27.3630

Rectangle

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



31.6669, 39.6596, 46.5435



34.5609, 39.6596, 61.3758



44.4439, 39.6596, 39.9874



41.0136, 39.6596, 28.9948

Sweetspot

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



31.6681, 39.6612, 46.5444



71.1598, 78.9221, 88.3315



27.9765, 38.2673, 23.3655



15.1764, 16.9538, 19.0400



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.



31.6681, 39.6612, 46.5444



53.9693, 70.1567, 83.1625



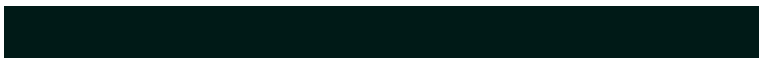
27.4993, 30.5228, 47.6239



8.7120, 9.6193, 10.7430



16.1584, 24.6893, 28.9007



0.5172, 0.7803, 0.9556

Inverse Universe

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



29.0587, 24.3534, 22.2395



48.4888, 37.9748, 32.0914



32.1900, 31.1096, 21.7618



8.5237, 8.5162, 8.9903



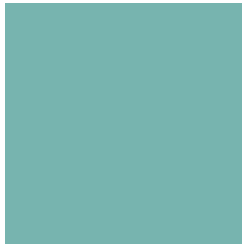
13.2066, 6.8002, 0.9821



0.4248, 0.2177, 0.0797

Previews

White Background



This preview shows how the XYZ color 31.6669, 39.6596, 46.5435 looks on a white background.

Color Contrast Check

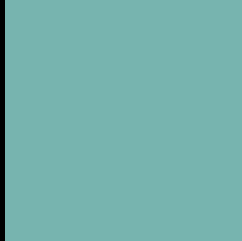
Large Text (above 18pt) WCAG AA × Fail

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 31.6669, 39.6596, 46.5435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

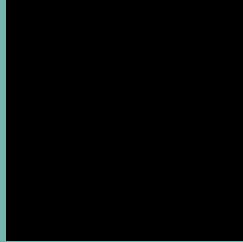
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6669, 39.6596, 46.5435

Background



This preview shows how black text looks on a background with the XYZ color 31.6669, 39.6596, 46.5435.

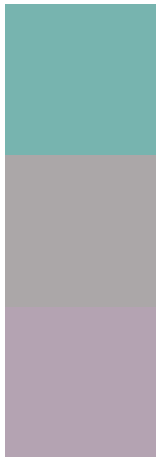


This preview shows how white text looks on a background with the XYZ color 31.6669, 39.6596,

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

31.6669, 39.6596, 46.5435

Protanopia

37.6812, 39.1225, 42.6112

Deuteranopia

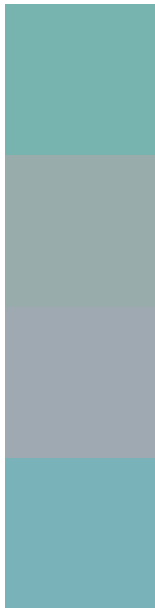
39.9555, 39.1120, 47.5630



Tritanopia

33.4049, 39.4610, 55.7253

Trichromacy



Original Color

31.6669, 39.6596, 46.5435

Protanomaly

35.0521, 39.1207, 44.2317

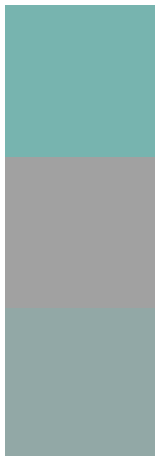
Deuteranomaly

36.2243, 38.8194, 47.1786

Tritanomaly

32.8094, 39.5235, 52.3539

Monochromacy



Original Color

31.6669, 39.6596, 46.5435

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7396, 36.8694, 41.4673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6669, 39.6596, 46.5435 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(119, 180, 175)` looks like.

```
.text, #text, p{  
    color:rgb(119, 180, 175)  
}
```

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(119, 180, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 180, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.6669, 39.6596, 46.5435 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(119, 180, 175) }
```


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

```
.border{ border-color:rgb(119, 180, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 180, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 180, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 180, 175);  
box-shadow:4px 4px 4px 4px rgb(119, 180,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6669, 39.6596, 46.5435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 180, 175) }
```

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

```
.background{ background-color: rgb(119,  
180, 175) }
```

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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