

Converting Colors

XYZ(31.9469, 39.6874, 48.1373)

Have a look what the booklet for
XYZ(31.9469, 39.6874, 48.1373)
contains.

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Color

**XYZ(31.9649, 39.7788,
48.1128)**

Conversions

Conversions Part 1

Format	Color
Hex	77B4B2
RGB	119, 180, 178
RGB Percent	47%, 71%, 70%
CMY	0.5333, 0.2941, 0.3020
CMYK	0.34, 0.00, 0.01, 0.29
HSL	178°, 29%, 59%
HSV	178°, 34%, 71%
XYZ	31.9649, 39.7788, 48.1128
YIQ	161.5330, -35.7140, -13.5540

Conversions

Conversions Part 2

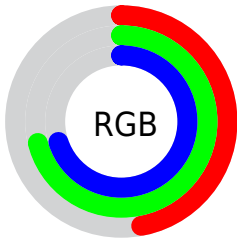
Format	Color
RYB	119, 150, 180
Decimal	7845042
CIELab	69.31, -20.01, -5.24
CIElCh	69, 20.690, 194.684
Yxy	39.7788, 0.2667, 0.3319
Android (android.graphics.Color)	4286035122 (0xFF77B4B2)
YUV	161.5330, 8.1182, -37.3014
Hunter-Lab	63.0704, -19.9072, -1.0796

Details

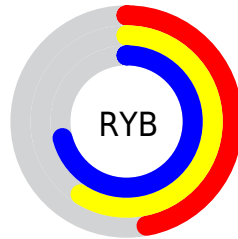
The XYZ color **31.9649, 39.7788, 48.1128** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.8718, 24.2786, 21.2553**, and the grayscale version is **34.1006, 35.8765, 39.0695**.

A 20% lighter version of the original color is **62.0803, 74.8157, 89.0108**, and **13.5378, 17.8177, 22.1277** is the 20% darker color. If you saturate the color by 10%, you get **29.6658, 38.6014, 47.6971**, and if you desaturate by 10%, it is **34.7344, 41.2007, 48.5536**.

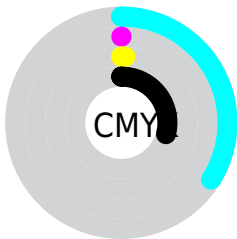
Distribution



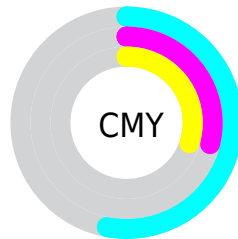
- Red (47%)
- Green (71%)
- Blue (70%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (53%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9649, 39.7788, 48.1128 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 31.9649, 39.7788, 48.1128 by changing the saturation by 10% instead.

■ 31.9649, 39.7788,
48.1128

■ 31.9649, 39.7788,
48.1128

302.7075,
345.1904, 395.7607

■ 21.4901, 27.3661,
33.5556

■ 62.1216, 74.8266,
88.7396

■ 13.5972, 17.8484,
22.2778

■ 82.5343, 98.2304,
115.6463

■ 7.9209, 10.8412,
13.8609

■ 106.9902,
126.0668, 147.5066

■ 4.0957, 5.9601,
7.8863

135.8549,
158.7201, 184.7390

■ 1.7564, 2.8209,
3.9356

169.4936,
196.5747, 227.7621

■ 0.4912, 1.0389,
1.5901

208.2717,

■ 0.0000, 0.0000,

240.0150, 276.9944

0.2837

252.5545,
289.4255, 332.8544

■ 0.0000, 0.0000,
0.0000

■ 31.9649, 39.7788,
48.1128

■ 31.9649, 39.7788,
48.1128

■ 29.6658, 38.6014,
47.6971

■ 34.7344, 41.2007,
48.5536

■ 27.8072, 37.6501,
47.3024

■ 37.9953, 42.8748,
49.0179

■ 26.3612, 36.9114,
46.9284

■ 41.7715, 44.8146,
49.5077

■ 25.2950, 36.3685,
46.5734

■ 46.0842, 47.0309,
50.0239

■ 24.5712, 36.0021,
46.2359

■ 50.9536, 49.5342,
50.5674

■ 24.1445, 35.7888,
45.9135

■ 56.3986, 52.3342,
51.1393

■ 23.9712, 35.7036,
45.7213

■ 62.4375, 55.4403,
51.7403

■ 66.0808, 57.3114,
52.2305

■ 66.1423, 57.3360,
52.5545

Harmonies

Analogous

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



31.9812, 39.7788, 38.6617



31.9649, 39.7788, 48.1128



33.4501, 39.7788, 57.4785

Triad

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



31.9649, 39.7788, 48.1128



42.4763, 39.7788, 57.6506



39.5195, 39.7788, 27.9673

Complementary

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



31.9649, 39.7788, 48.1128



28.8718, 24.2786, 21.2553

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.



42.5301, 39.7788, 31.6889



31.9649, 39.7788, 48.1128



44.3040, 39.7788, 48.3217

Square

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



31.9649, 39.7788, 48.1128



39.4495, 39.7788, 63.5080



44.3242, 39.7788, 38.8423



36.2137, 39.7788, 27.9284

Rectangle

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



31.9649, 39.7788, 48.1128



35.1447, 39.7788, 62.0247



44.3242, 39.7788, 38.8423



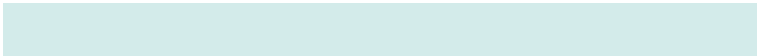
40.6037, 39.7788, 28.8019

Sweetspot

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



31.9661, 39.7804, 48.1137



71.3249, 78.9882, 89.2010



27.5421, 38.0434, 23.3451



15.2169, 16.9700, 19.2532



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.



31.9661, 39.7804, 48.1137



54.6303, 70.4211, 86.6432



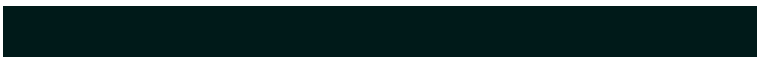
26.9998, 29.5238, 47.4574



8.7304, 9.6266, 10.8397



16.7348, 24.9199, 31.9360



0.5303, 0.7856, 1.0244

Inverse Universe

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



28.8718, 24.2786, 21.2553



48.1273, 37.8303, 30.1880



32.6600, 32.0495, 21.9185



8.5073, 8.5096, 8.9038



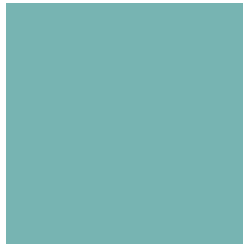
13.1644, 6.7833, 0.7597



0.4179, 0.2149, 0.0435

Previews

White Background



This preview shows how the XYZ color 31.9649, 39.7788, 48.1128 looks on a white background.

Color Contrast Check

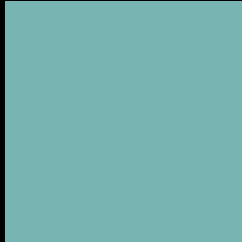
Large Text (above 18pt) WCAG AA × Fail

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 31.9649, 39.7788, 48.1128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

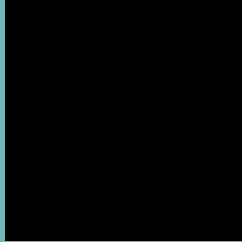
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9649, 39.7788, 48.1128

Background



This preview shows how black text looks on a background with the XYZ color 31.9649, 39.7788, 48.1128.

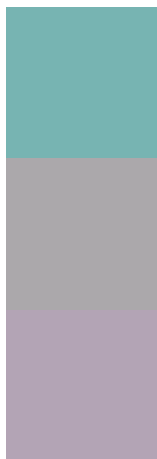


This preview shows how white text looks on a background with the XYZ color 31.9649, 39.7788,

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

31.9649, 39.7788, 48.1128

Protanopia

38.1479, 39.6035, 44.1617

Deuteranopia

40.2064, 39.4708, 49.2156



Tritanopia

33.4609, 39.7841, 55.7847

Trichromacy



Original Color

31.9649, 39.7788, 48.1128

Protanomaly

35.3414, 39.2364, 45.7551

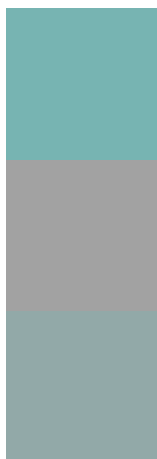
Deuteranomaly

36.5176, 39.2128, 48.8242

Tritanomaly

32.9749, 39.8930, 52.9759

Monochromacy



Original Color

31.9649, 39.7788, 48.1128

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.1099, 37.3141, 42.5030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9649, 39.7788, 48.1128 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(119, 180, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 180, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.9649, 39.7788, 48.1128 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, 178) }
```


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

```
.border{ border-color:rgb(119, 180, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 180, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 180, 178);  
box-shadow:4px 4px 4px 4px rgb(119, 180,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9649, 39.7788, 48.1128 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, 178) }
```

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

```
.background{ background-color: rgb(119,  
180, 178) }
```

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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