

Converting Colors

XYZ(31.5508, 38.0324, 47.5673)

Have a look what the booklet for
XYZ(31.5508, 38.0324, 47.5673)
contains.

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Color

**XYZ(31.6780, 38.1594,
47.8154)**

Conversions

Conversions Part 1

Format	Color
Hex	7CAF ^B B2
RGB	124, 175, 178
RGB Percent	49%, 69%, 70%
CMY	0.5137, 0.3137, 0.3020
CMYK	0.30, 0.02, 0.00, 0.30
HSL	183°, 26%, 59%
HSV	183°, 30%, 70%
XYZ	31.6780, 38.1594, 47.8154
YIQ	160.0930, -31.3590, -9.8790

Conversions

Conversions Part 2

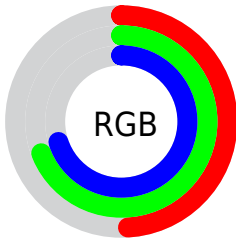
Format	Color
RYB	124, 150, 178
Decimal	8171442
CIELab	68.14, -16.00, -6.95
CIElCh	68, 17.445, 203.493
Yxy	38.1594, 0.2692, 0.3243
Android (android.graphics.Color)	4286361522 (0xFF7CAFB2)
YUV	160.0930, 8.8282, -31.6536
Hunter-Lab	61.7733, -16.5666, -2.6519

Details

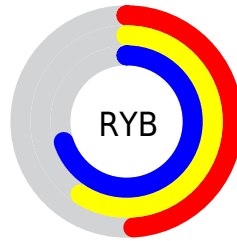
The XYZ color **31.6780, 38.1594, 47.8154** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.5880, 26.0991, 22.5476**, and the grayscale version is **33.4283, 35.1692, 38.2992**.

A 20% lighter version of the original color is **61.7873, 72.5573, 88.5903**, and **13.3337, 16.7775, 21.9376** is the 20% darker color. If you saturate the color by 10%, you get **29.1429, 36.5690, 47.6427**, and if you desaturate by 10%, it is **34.6811, 39.9951, 48.0121**.

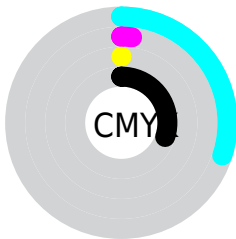
Distribution



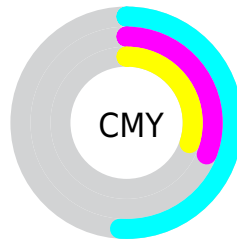
- Red (49%)
- Green (69%)
- Blue (70%)



- Red (49%)
- Yellow (59%)
- Blue (70%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)



- Cyan (51%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6780, 38.1594, 47.8154 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 31.6780, 38.1594, 47.8154 by changing the saturation by 10% instead.

■ 31.6780, 38.1594,
47.8154

■ 31.6780, 38.1594,
47.8154

301.4212,
338.3033, 394.5475

■ 21.2700, 26.1064,
33.3218

■ 61.6746, 72.3524,
88.2922

■ 13.4351, 16.9033,
22.0999

■ 81.9939, 95.2612,
115.1124

■ 7.8079, 10.1656,
13.7313

■ 106.3476,
122.5574, 146.8786

■ 4.0230, 5.5089,
7.7974

135.1013,
154.6254, 184.0092

■ 1.7152, 2.5488,
3.8797

168.6201,
191.8496, 226.9229

■ 0.4657, 0.9010,
1.5596

207.2694,

■ 0.0000, 0.0000,

234.6144, 276.0382

0.2617

251.4147,
283.3041, 331.7735

■ 0.0000, 0.0000,
0.0000

■ 31.6780, 38.1594,
47.8154

■ 31.6780, 38.1594,
47.8154

■ 29.1429, 36.5690,
47.6427

■ 34.6811, 39.9951,
48.0121

■ 27.0474, 35.2063,
47.4901

■ 38.1720, 42.0834,
48.2312

■ 25.3653, 34.0588,
47.3573

■ 42.1733, 44.4369,
48.4746

■ 24.0663, 33.1109,
47.2428

■ 46.7054, 47.0662,
48.7432

■ 23.1156, 32.3446,
47.1450

■ 51.7874, 49.9810,
49.0380

■ 22.4726, 31.7390,
47.0620

■ 57.4376, 53.1909,
49.3597

■ 22.0607, 31.2638,
46.9919

■ 63.6733, 56.7047,
49.7093

■ 66.1907, 58.3038,
49.8853

■ 66.3951, 58.7127,
49.9534

Harmonies

Analogous

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



31.3138, 38.1594, 39.8735



31.6780, 38.1594, 47.8154



33.2439, 38.1594, 54.7993

Triad

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



31.6780, 38.1594, 47.8154



40.6410, 38.1594, 51.1198



36.8657, 38.1594, 28.3649

Complementary

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



31.6780, 38.1594, 47.8154



29.5880, 26.0991, 22.5476

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.



39.4730, 38.1594, 30.6280



31.6780, 38.1594, 47.8154



41.7220, 38.1594, 43.2710

Square

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



31.6780, 38.1594, 47.8154



38.3960, 38.1594, 56.8678



41.2842, 38.1594, 35.8557



34.2227, 38.1594, 29.2626

Rectangle

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



31.6780, 38.1594, 47.8154



34.8025, 38.1594, 57.6413



41.2842, 38.1594, 35.8557



37.7769, 38.1594, 28.7709

Sweetspot

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



31.6791, 38.1609, 47.8163



70.0293, 76.7930, 87.5128



28.0445, 37.6511, 25.7663



15.2966, 16.8841, 19.3750



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.



31.6791, 38.1609, 47.8163



54.4602, 67.3368, 86.5081



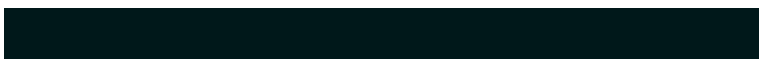
26.9858, 28.7742, 46.2518



8.7015, 9.5491, 10.8909



15.7999, 22.4001, 33.6279



0.5093, 0.7291, 1.0621

Inverse Universe

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



33.3065, 26.9762, 44.0107



57.8875, 44.0738, 78.4279



33.5050, 33.9332, 23.8533



8.8293, 8.6384, 10.5993



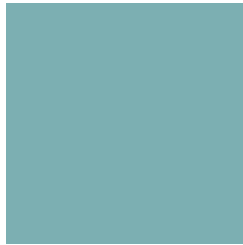
18.2097, 8.8014, 27.3279



0.5791, 0.2794, 0.8922

Previews

White Background



This preview shows how the XYZ color 31.6780, 38.1594, 47.8154 looks on a white background.

Color Contrast Check

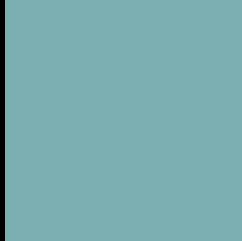
Large Text (above 18pt) WCAG AA × Fail

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 31.6780, 38.1594, 47.8154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

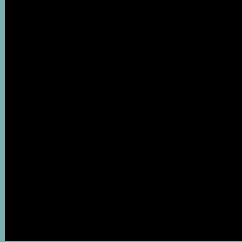
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6780, 38.1594, 47.8154

Background



This preview shows how black text looks on a background with the XYZ color 31.6780, 38.1594, 47.8154.

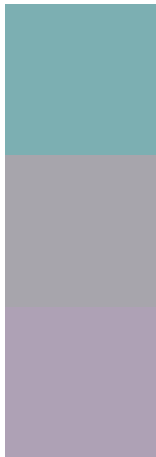


This preview shows how white text looks on a background with the XYZ color 31.6780, 38.1594,

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

31.6780, 38.1594, 47.8154

Protanopia

36.8379, 38.1043, 44.4430

Deuteranopia

38.5409, 37.8246, 48.9856



Tritanopia

32.7099, 38.2956, 52.6815

Trichromacy



Original Color

31.6780, 38.1594, 47.8154

Protanomaly

34.5904, 38.0112, 45.5582

Deuteranomaly

35.5847, 37.6356, 48.5689

Tritanomaly

32.2452, 38.0928, 51.0005

Monochromacy



Original Color

31.6780, 38.1594, 47.8154

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4628, 35.9033, 41.7783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6780, 38.1594, 47.8154 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(124, 175, 178)` looks like.

```
.text, #text, p{  
    color:rgb(124, 175, 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(124, 175, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 175, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.6780, 38.1594, 47.8154 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(124, 175, 178) }
```


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

```
.border{ border-color:rgb(124, 175, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 175, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 175, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 175, 178);  
box-shadow:4px 4px 4px 4px rgb(124, 175,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6780, 38.1594, 47.8154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 175, 178) }
```

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

```
.background{ background-color: rgb(124,  
175, 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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