

Converting Colors

XYZ(32.9476, 38.7628, 48.0549)

Have a look what the booklet for
XYZ(32.9476, 38.7628, 48.0549)
contains.

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Color

**XYZ(32.8816, 38.7798,
47.8717)**

Conversions

Conversions Part 1

Format	Color
Hex	84AFB2
RGB	132, 175, 178
RGB Percent	52%, 69%, 70%
CMY	0.4823, 0.3137, 0.3020
CMYK	0.26, 0.02, 0.00, 0.30
HSL	184°, 23%, 61%
HSV	184°, 26%, 70%
XYZ	32.8816, 38.7798, 47.8717
YIQ	162.4850, -26.5910, -8.1830

Conversions

Conversions Part 2

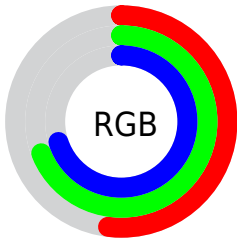
Format	Color
RYB	132, 154, 178
Decimal	8695730
CIELab	68.59, -13.62, -6.23
CIELCh	69, 14.976, 204.590
Yxy	38.7798, 0.2751, 0.3244
Android (android.graphics.Color)	4286885810 (0xFF84AFB2)
YUV	162.4850, 7.6489, -26.7353
Hunter-Lab	62.2734, -14.7270, -1.9868

Details

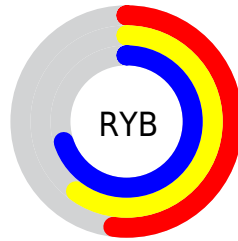
The XYZ color **32.8816, 38.7798, 47.8717** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.1895, 28.4592, 25.6800**, and the grayscale version is **34.5452, 36.3443, 39.5789**.

A 20% lighter version of the original color is **63.6769, 73.5314, 88.6788**, and **14.0545, 17.1491, 21.9714** is the 20% darker color. If you saturate the color by 10%, you get **30.1076, 37.0169, 47.6783**, and if you desaturate by 10%, it is **36.1348, 40.7945, 48.0898**.

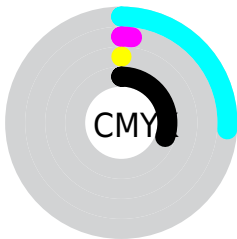
Distribution



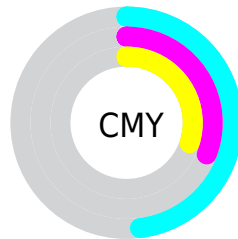
- Red (52%)
- Green (69%)
- Blue (70%)



- Red (52%)
- Yellow (60%)
- Blue (70%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)



- Cyan (48%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8816, 38.7798, 47.8717 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 32.8816, 38.7798, 47.8717 by changing the saturation by 10% instead.

■ 32.8816, 38.7798,
47.8717

■ 32.8816, 38.7798,
47.8717

306.7903,
340.9534, 394.7774

■ 22.1946, 26.5885,
33.3660

■ 63.5465, 73.3018,
88.3769

■ 14.1173, 17.2644,
22.1336

■ 84.2552, 96.4013,
115.2135

■ 8.2846, 10.4232,
13.7558

■ 109.0350,
123.9056, 146.9975

■ 4.3309, 5.6804,
7.8142

138.2515,
156.1991, 184.1475

■ 1.8910, 2.6518,
3.8902

172.2699,
193.6663, 227.0819

■ 0.5716, 0.9527,
1.5653

211.4556,

■ 0.0000, 0.0000,

236.6914, 276.2193

0.2659

256.1739,
285.6590, 331.9783

■ 0.0000, 0.0000,
0.0000

■ 32.8816, 38.7798,
47.8717

■ 32.8816, 38.7798,
47.8717

■ 30.1076, 37.0169,
47.6783

■ 36.1348, 40.7945,
48.0898

■ 27.7852, 35.4888,
47.5057

■ 39.8861, 43.0679,
48.3309

■ 25.8893, 34.1834,
47.3537

■ 44.1577, 45.6125,
48.5969

■ 24.3911, 33.0859,
47.2208

■ 48.9694, 48.4383,
48.8887

■ 23.2581, 32.1795,
47.1056

■ 54.3398, 51.5551,
49.2072

■ 22.4524, 31.4446,
47.0062

■ 60.2868, 54.9721,
49.5533

■ 21.9258, 30.8566,
46.9204

■ 66.2351, 58.3926,
49.9001

■ 21.7451, 30.6325,
46.8867

■ 66.4756, 58.8736,
49.9802

■ 66.7181, 59.3585,
50.0611

Harmonies

Analogous

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



32.5200, 38.7798, 41.0102



32.8816, 38.7798, 47.8717



34.2896, 38.7798, 53.7376

Triad

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



32.8816, 38.7798, 47.8717



40.6859, 38.7798, 50.2184



37.2889, 38.7798, 30.5542

Complementary

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



32.8816, 38.7798, 47.8717



31.1895, 28.4592, 25.6800

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.



39.5537, 38.7798, 32.4860



32.8816, 38.7798, 47.8717



41.5679, 38.7798, 43.4628

Square

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



32.8816, 38.7798, 47.8717



38.7814, 38.7798, 55.1906



41.1449, 38.7798, 37.0401



35.0013, 38.7798, 31.4672

Rectangle

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



32.8816, 38.7798, 47.8717



35.6654, 38.7798, 56.0462



41.1449, 38.7798, 37.0401



38.0791, 38.7798, 30.8856

Sweetspot

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



32.8827, 38.7814, 47.8726



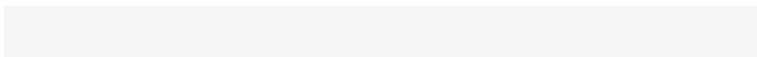
70.6855, 77.1103, 87.5394



29.7610, 38.4767, 28.5232



15.4287, 16.9439, 19.3796



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.



32.8827, 38.7814, 47.8726



56.6608, 68.4506, 86.6071



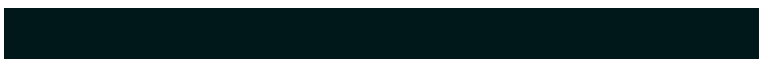
28.8946, 30.8052, 46.5432



8.6943, 9.5348, 10.8885



15.5765, 21.9533, 33.5534



0.5042, 0.7190, 1.0604

Inverse Universe

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



34.3502, 29.0636, 44.3585



59.8007, 47.9115, 79.0310



34.6335, 35.3473, 26.8280



8.8256, 8.6370, 10.5803



18.0969, 8.7563, 26.7342



0.5765, 0.2784, 0.8787

Previews

White Background



This preview shows how the XYZ color 32.8816, 38.7798, 47.8717 looks on a white background.

Color Contrast Check

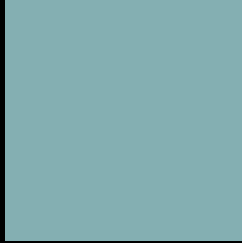
Large Text (above 18pt) WCAG AA × Fail

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 32.8816, 38.7798, 47.8717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

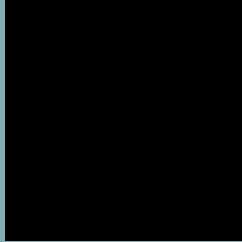
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8816, 38.7798, 47.8717

Background



This preview shows how black text looks on a background with the XYZ color 32.8816, 38.7798, 47.8717.

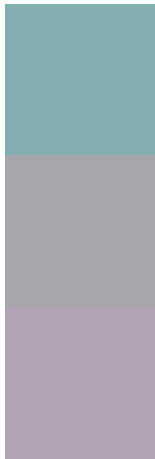


This preview shows how white text looks on a background with the XYZ color 32.8816, 38.7798,

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

32.8816, 38.7798, 47.8717

Protanopia

37.3275, 38.6144, 45.0211

Deuteranopia

39.3923, 38.5240, 49.0757



Tritanopia

33.9372, 38.9283, 52.7389

Trichromacy



Original Color

32.8816, 38.7798, 47.8717

Protanomaly

35.4434, 38.4396, 46.1090

Deuteranomaly

36.7549, 38.5098, 48.6760

Tritanomaly

33.4606, 38.7193, 51.0574

Monochromacy



Original Color

32.8816, 38.7798, 47.8717

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.6491, 37.0439, 42.4225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8816, 38.7798, 47.8717 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(132, 175, 178)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 175, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 175, 178) }
```

Border

The CSS property to change the border of an element to XYZ 32.8816, 38.7798, 47.8717 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(132, 175, 178) }
```


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

```
.border{ border-color:rgb(132, 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(132, 175, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 175, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 175, 178);  
box-shadow:4px 4px 4px 4px rgb(132, 175,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8816, 38.7798, 47.8717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 175, 178) }
```

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

```
.background{ background-color: rgb(132,  
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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