

Converting Colors

XYZ(31.3271, 38.2317, 42.4730)

Have a look what the booklet for
XYZ(31.3271, 38.2317, 42.4730)
contains.

XYZ(31.2071, 38.0392, 42.2567)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.2071, 38.0392,
42.2567)**

Conversions

Conversions Part 1

Format	Color
Hex	80AFA7
RGB	128, 175, 167
RGB Percent	50%, 69%, 65%
CMY	0.4980, 0.3137, 0.3451
CMYK	0.27, 0.00, 0.05, 0.31
HSL	170°, 23%, 59%
HSV	170°, 27%, 69%
XYZ	31.2071, 38.0392, 42.2567
YIQ	160.0350, -25.4440, -12.4520

Conversions

Conversions Part 2

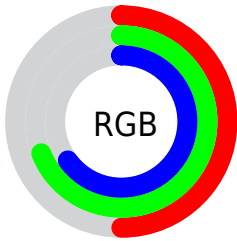
Format	Color
RYB	128, 154, 175
Decimal	8433575
CIELab	68.05, -17.34, -0.97
CIElCh	68, 17.371, 183.206
Yxy	38.0392, 0.2799, 0.3411
Android (android.graphics.Color)	4286623655 (0xFF80AFA7)
YUV	160.0350, 3.4337, -28.0947
Hunter-Lab	61.6759, -17.6145, 2.5511

Details

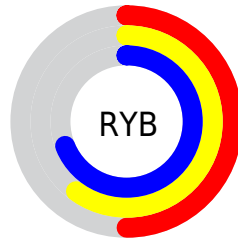
The XYZ color **31.2071, 38.0392, 42.2567** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.8436, 26.3309, 26.8035**, and the grayscale version is **33.4237, 35.1643, 38.2939**.

A 20% lighter version of the original color is **61.0521, 72.3708, 79.8584**, and **13.1146, 16.7347, 18.7586** is the 20% darker color. If you saturate the color by 10%, you get **28.5264, 36.6897, 40.7105**, and if you desaturate by 10%, it is **34.3503, 39.6284, 43.8593**.

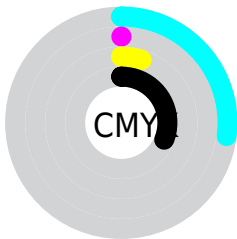
Distribution



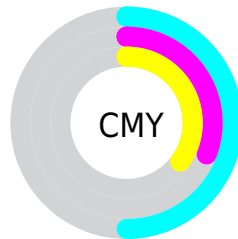
- Red (50%)
- Green (69%)
- Blue (65%)



- Red (50%)
- Yellow (60%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)



- Cyan (50%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2071, 38.0392, 42.2567 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 31.2071, 38.0392, 42.2567 by changing the saturation by 10% instead.

■ 31.2071, 38.0392,
42.2567

■ 31.2071, 38.0392,
42.2567

299.3012,
337.7881, 371.3770

■ 20.9092, 26.0131,
28.9753

■ 60.9396, 72.1682,
79.8623

■ 13.1697, 16.8335,
18.8167

■ 81.1049, 95.0399,
105.0235

■ 7.6233, 10.1158,
11.3624

■ 105.2901,
122.2957, 134.9817

■ 3.9047, 5.4758,
6.1939

133.8605,
154.3198, 170.1555

■ 1.6483, 2.5291,
2.8927

167.1814,
191.4967, 210.9634

■ 0.4236, 0.8911,
1.0401

205.6183,

■ 0.0000, 0.0000,

234.2108, 257.8239

0.0000

249.5364,
282.8465, 311.1556

■ 31.2071, 38.0392,
42.2567

■ 31.2071, 38.0392,
42.2567

■ 28.5264, 36.6897,
40.7105

■ 34.3503, 39.6284,
43.8593

■ 26.2817, 35.5633,
39.2169

■ 37.9744, 41.4637,
45.5169

■ 24.4486, 34.6483,
37.7752

■ 42.1009, 43.5573,
47.2316

■ 22.9990, 33.9303,
36.3839

■ 46.7488, 45.9190,
49.0045

■ 21.9013, 33.3929,
35.0414

■ 51.9362, 48.5580,
50.8366

■ 21.1187, 33.0174,
33.7456

■ 57.6804, 51.4833,
52.7290

■ 20.5991, 32.7767,
32.4939

■ 63.9978, 54.7034,
54.6826

■ 20.4576, 32.7121,
32.1081

■ 65.9568, 55.6758,
56.4668

■ 66.2878, 55.8082,
58.2097

Harmonies

Analogous

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



31.7086, 38.0392, 35.0601



31.2071, 38.0392, 42.2567



31.9758, 38.0392, 50.1224

Triad

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



31.2071, 38.0392, 42.2567



39.0787, 38.0392, 55.1725



38.5506, 38.0392, 29.4947

Complementary

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



31.2071, 38.0392, 42.2567



29.8436, 26.3309, 26.8035

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.



40.6836, 38.0392, 33.7850



31.2071, 38.0392, 42.2567



40.9990, 38.0392, 48.5020

Square

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



31.2071, 38.0392, 42.2567



36.4467, 38.0392, 58.1404



41.6003, 38.0392, 40.5909



35.8651, 38.0392, 28.2557

Rectangle

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



31.2071, 38.0392, 42.2567



33.1287, 38.0392, 54.5273



41.6003, 38.0392, 40.5909



39.3604, 38.0392, 30.5991

Sweetspot

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



31.2082, 38.0408, 42.2576



67.1271, 73.8103, 81.1295



29.4812, 37.5061, 26.1083



14.6966, 16.2921, 17.9328



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2082, 38.0408, 42.2576



53.0565, 66.6979, 74.0885



29.2321, 32.8677, 45.3627



8.1769, 9.0483, 9.9566



14.6694, 23.4330, 23.0966



0.4233, 0.6580, 0.7227

Inverse Universe

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



29.8436, 26.3309, 26.8035



50.2188, 42.3203, 41.9313



31.3817, 30.2835, 24.6140



8.0588, 8.0368, 8.6206



12.8428, 6.5997, 1.5519



0.3736, 0.1901, 0.1292

Previews

White Background



This preview shows how the XYZ color 31.2071, 38.0392, 42.2567 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 31.2071, 38.0392, 42.2567 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

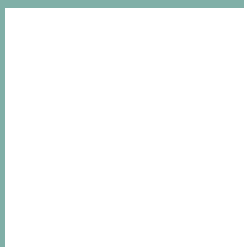
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2071, 38.0392, 42.2567

Background



This preview shows how black text looks on a background with the XYZ color 31.2071, 38.0392, 42.2567.

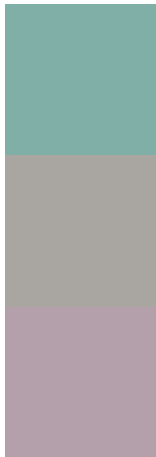


This preview shows how white text looks on a background with the XYZ color 31.2071, 38.0392,

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

31.2071, 38.0392, 42.2567

Protanopia

36.2503, 37.9185, 39.1266

Deuteranopia

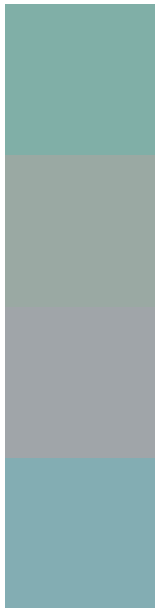
38.4169, 37.6276, 43.2683



Tritanopia

33.1312, 37.9558, 52.0344

Trichromacy



Original Color

31.2071, 38.0392, 42.2567

Protanomaly

34.1253, 37.8903, 40.1653

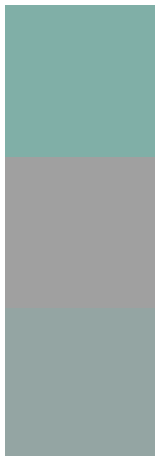
Deuteranomaly

35.1138, 37.2484, 42.8751

Tritanomaly

32.4403, 37.9671, 48.2664

Monochromacy



Original Color

31.2071, 38.0392, 42.2567

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.2787, 35.8505, 39.8689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2071, 38.0392, 42.2567 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(128, 175, 167)` looks like.

```
.text, #text, p{  
    color:rgb(128, 175, 167)  
}
```

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(128, 175, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 175, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.2071, 38.0392, 42.2567 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(128, 175, 167) }
```


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

```
.border{ border-color:rgb(128, 175, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 175, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 175, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 175, 167);  
box-shadow:4px 4px 4px 4px rgb(128, 175,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2071, 38.0392, 42.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 175, 167) }
```

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

```
.background{ background-color: rgb(128,  
175, 167) }
```

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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