

Converting Colors

XYZ(31.4244, 38.1714, 40.7340)

Have a look what the booklet for
XYZ(31.4244, 38.1714, 40.7340)
contains.

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Color

**XYZ(31.3909, 38.1656,
40.8342)**

Conversions

Conversions Part 1

Format	Color
Hex	83AFA4
RGB	131, 175, 164
RGB Percent	51%, 69%, 64%
CMY	0.4863, 0.3137, 0.3569
CMYK	0.25, 0.00, 0.06, 0.31
HSL	165°, 22%, 60%
HSV	165°, 25%, 69%
XYZ	31.3909, 38.1656, 40.8342
YIQ	160.5900, -22.6930, -12.7490

Conversions

Conversions Part 2

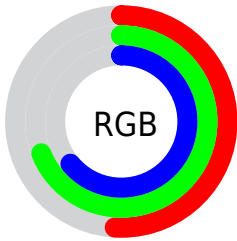
Format	Color
RYB	131, 156, 175
Decimal	8630180
CIELab	68.14, -17.07, 0.84
CIElCh	68, 17.090, 177.167
Yxy	38.1656, 0.2844, 0.3457
Android (android.graphics.Color)	4286820260 (0xFF83AFA4)
YUV	160.5900, 1.6811, -25.9504
Hunter-Lab	61.7783, -17.4123, 4.0553

Details

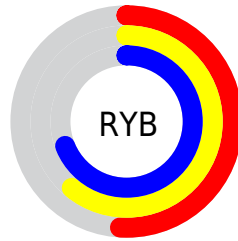
The XYZ color **31.3909, 38.1656, 40.8342** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.6793, 27.3006, 29.2453**, and the grayscale version is **33.6870, 35.4413, 38.5956**.

A 20% lighter version of the original color is **61.3697, 72.5806, 77.7928**, and **13.1924, 16.7944, 17.8756** is the 20% darker color. If you saturate the color by 10%, you get **28.5179, 36.7304, 38.6728**, and if you desaturate by 10%, it is **34.7375, 39.8454, 43.0903**.

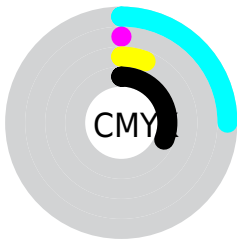
Distribution



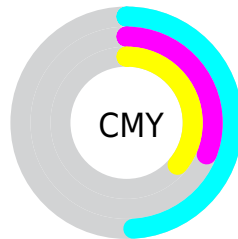
- Red (51%)
- Green (69%)
- Blue (64%)



- Red (51%)
- Yellow (61%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)



- Cyan (49%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3909, 38.1656, 40.8342 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 31.3909, 38.1656, 40.8342 by changing the saturation by 10% instead.

■ 31.3909, 38.1656,
40.8342

■ 31.3909, 38.1656,
40.8342

300.1300,
338.3298, 365.2833

■ 21.0500, 26.1112,
27.8708

■ 61.2266, 72.3619,
77.6831

■ 13.2732, 16.9069,
17.9901

■ 81.4522, 95.2726,
102.4057

■ 7.6952, 10.1681,
10.7735

■ 105.7033,
122.5709, 131.8851

■ 3.9507, 5.5106,
5.8025

134.3453,
154.6412, 166.5398

■ 1.6743, 2.5498,
2.6585

167.7437,
191.8678, 206.7885

■ 0.4401, 0.9015,
0.9224

206.2637,

■ 0.0000, 0.0000,

234.6352, 253.0496

0.0000

250.2706,
283.3277, 305.7417

■ 31.3909, 38.1656,
40.8342

■ 31.3909, 38.1656,
40.8342

■ 28.5179, 36.7304,
38.6728

■ 34.7375, 39.8454,
43.0903

■ 26.0921, 35.5232,
36.6019

■ 38.5760, 41.7762,
45.4404

■ 24.0894, 34.5325,
34.6203

■ 42.9276, 43.9699,
47.8868

■ 22.4823, 33.7443,
32.7261

■ 47.8113, 46.4362,
50.4312

■ 21.2397, 33.1425,
30.9170

■ 53.2452, 49.1846,
53.0750

■ 20.3258, 32.7086,
29.1908

■ 59.2464, 52.2238,
55.8197

■ 19.6964, 32.4199,
27.5444

■ 65.8313, 55.5623,
58.6668

■ 19.4441, 32.3067,
26.7711

■ 66.8804, 56.0452,
61.3304

■ 67.3959, 56.2515,
64.0454

Harmonies

Analogous

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



32.1349, 38.1656, 34.0910



31.3909, 38.1656, 40.8342



31.9017, 38.1656, 48.6283

Triad

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



31.3909, 38.1656, 40.8342



38.6673, 38.1656, 56.0388



39.1272, 38.1656, 30.3971

Complementary

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



31.3909, 38.1656, 40.8342



30.6793, 27.3006, 29.2453

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.



41.0314, 38.1656, 35.2047



31.3909, 38.1656, 40.8342



40.7568, 38.1656, 50.0378

Square

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



31.3909, 38.1656, 40.8342



36.0224, 38.1656, 58.0172



41.6417, 38.1656, 42.2860



36.5293, 38.1656, 28.5460

Rectangle

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



31.3909, 38.1656, 40.8342



32.8995, 38.1656, 53.2827



41.6417, 38.1656, 42.2860



39.8744, 38.1656, 31.6897

Sweetspot

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



31.3920, 38.1672, 40.8351



66.9315, 73.7321, 80.0999



30.7095, 38.1162, 27.2120



14.6454, 16.2716, 17.6633



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.



31.3920, 38.1672, 40.8351



53.3504, 66.9174, 71.0289



30.5062, 34.7360, 45.6562



8.1495, 9.0373, 9.8121



13.9494, 23.1450, 19.3053



0.4082, 0.6519, 0.6434

Inverse Universe

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



30.6793, 27.3006, 29.2453



51.8632, 44.2028, 46.8153



31.3414, 29.8823, 25.5893



8.0843, 8.0470, 8.7549



13.0044, 6.6643, 2.4026



0.3836, 0.1941, 0.1820

Previews

White Background



This preview shows how the XYZ color 31.3909, 38.1656, 40.8342 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 31.3909, 38.1656, 40.8342 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

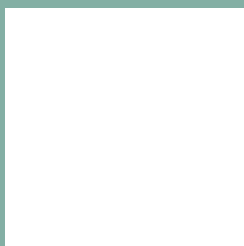
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3909, 38.1656, 40.8342

Background



This preview shows how black text looks on a background with the XYZ color 31.3909, 38.1656, 40.8342.



This preview shows how white text looks on a background with the XYZ color 31.3909, 38.1656,

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

31.3909, 38.1656, 40.8342

Protanopia

36.2043, 37.9249, 37.7598

Deuteranopia

38.6019, 37.7554, 41.8122



Tritanopia

33.6071, 38.2011, 52.0566

Trichromacy



Original Color

31.3909, 38.1656, 40.8342

Protanomaly

34.2434, 37.9819, 38.7841

Deuteranomaly

35.4423, 37.4500, 41.4369

Tritanomaly

32.8110, 38.1698, 47.7577

Monochromacy



Original Color

31.3909, 38.1656, 40.8342

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7355, 36.3651, 39.4762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3909, 38.1656, 40.8342 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(131, 175, 164)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 164)  
}
```

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(131, 175, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.3909, 38.1656, 40.8342 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(131, 175, 164) }
```


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

```
.border{ border-color:rgb(131, 175, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 175, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 164);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3909, 38.1656, 40.8342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 175, 164) }
```

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

```
.background{ background-color: rgb(131,  
175, 164) }
```

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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