

Converting Colors

XYZ(30.7118, 38.5714, 36.8726)

Have a look what the booklet for
XYZ(30.7118, 38.5714, 36.8726)
contains.

XYZ(30.6918, 38.4780, 36.8197)	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(30.6918, 38.4780,
36.8197)**

Conversions

Conversions Part 1

Format	Color
Hex	81B19B
RGB	129, 177, 155
RGB Percent	51%, 69%, 61%
CMY	0.4941, 0.3059, 0.3922
CMYK	0.27, 0.00, 0.12, 0.31
HSL	152°, 24%, 60%
HSV	152°, 27%, 69%
XYZ	30.6918, 38.4780, 36.8197
YIQ	160.1400, -21.5460, -17.0180

Conversions

Conversions Part 2

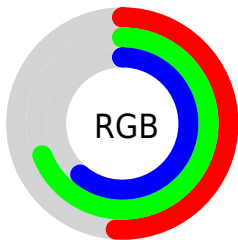
Format	Color
RYB	129, 160, 177
Decimal	8499611
CIELab	68.37, -20.64, 6.13
CIELCh	68, 21.532, 163.460
Yxy	38.4780, 0.2896, 0.3630
Android (android.graphics.Color)	4286689691 (0xFF81B19B)
YUV	160.1400, -2.5340, -27.3098
Hunter-Lab	62.0306, -20.2346, 8.2285

Details

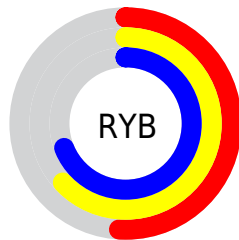
The XYZ color **30.6918, 38.4780, 36.8197** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.5690, 27.2829, 32.8820**, and the grayscale version is **33.4975, 35.2419, 38.3785**.

A 20% lighter version of the original color is **60.1760, 72.9486, 71.2305**, and **12.8482, 17.0345, 15.7075** is the 20% darker color. If you saturate the color by 10%, you get **27.5741, 36.9479, 33.2361**, and if you desaturate by 10%, it is **34.3232, 40.2697, 40.6680**.

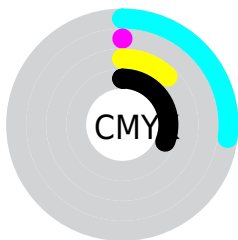
Distribution



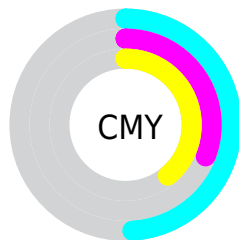
- Red (51%)
- Green (69%)
- Blue (61%)



- Red (51%)
- Yellow (63%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (31%)



- Cyan (49%)
- Magenta (31%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6918, 38.4780, 36.8197 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 30.6918, 38.4780, 36.8197 by changing the saturation by 10% instead.

■ 30.6918, 38.4780,
36.8197

■ 30.6918, 38.4780,
36.8197

296.9682,
339.6660, 347.6744

■ 20.5149, 26.3539,
24.7732

■ 60.1337, 72.8402,
71.4786

■ 12.8803, 17.0886,
15.6907

■ 80.1294, 95.8471,
94.9282

■ 7.4226, 10.2977,
9.1536

■ 104.1288,
123.2503, 123.0158

■ 3.7765, 5.5968,
4.7433

132.4972,
155.4343, 156.1601

■ 1.5765, 2.6015,
2.0414

165.6000,
192.7835, 194.7795

■ 0.3770, 0.9274,
0.5805

203.8025,

■ 0.0000, 0.0000,

235.6823, 239.2927

0.0000

247.4702,
284.5150, 290.1182

■ 30.6918, 38.4780,
36.8197

■ 30.6918, 38.4780,
36.8197

■ 27.5741, 36.9479,
33.2361

■ 34.3232, 40.2697,
40.6680

■ 24.9419, 35.6619,
29.9089

■ 38.4883, 42.3301,
44.7839

■ 22.7693, 34.6077,
26.8327

■ 43.2097, 44.6718,
49.1739

■ 21.0264, 33.7701,
24.0012

■ 48.5080, 47.3053,
53.8431

■ 19.6796, 33.1318,
21.4077

■ 54.4026, 50.2405,
58.7967

■ 18.6900, 32.6729,
19.0452

■ 60.9119, 53.4869,
64.0395

■ 18.0012, 32.3644,
16.9054

■ 68.0536, 57.0534,
69.5764

■ 17.8283, 32.2879,
16.3280

■ 69.8688, 57.8681,
75.1325

■ 70.9692, 58.3083,
80.9273

Harmonies

Analogous

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



32.2835, 38.4780, 29.7911



30.6918, 38.4780, 36.8197



30.6115, 38.4780, 46.3771

Triad

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



30.6918, 38.4780, 36.8197



38.1051, 38.4780, 62.7184



41.4929, 38.4780, 30.3581

Complementary

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



30.6918, 38.4780, 36.8197



31.5690, 27.2829, 32.8820

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.



43.2604, 38.4780, 37.7132



30.6918, 38.4780, 36.8197



41.2248, 38.4780, 56.9026

Square

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



30.6918, 38.4780, 36.8197



34.7538, 38.4780, 62.3802



43.1594, 38.4780, 47.4187



38.4529, 38.4780, 26.4728

Rectangle

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



30.6918, 38.4780, 36.8197



31.4161, 38.4780, 53.0131



43.1594, 38.4780, 47.4187



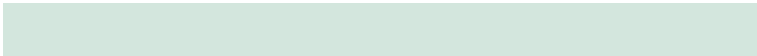
42.2637, 38.4780, 32.4531

Sweetspot

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



30.6929, 38.4796, 36.8206



68.1244, 75.4103, 79.4307



32.5228, 39.6487, 26.7082



14.5142, 16.2191, 16.9724



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.



30.6929, 38.4796, 36.8206



51.2657, 67.0932, 61.7513



32.3983, 38.6590, 47.3513



8.5750, 9.5645, 10.0217



12.9476, 23.4050, 11.9927



0.4364, 0.7480, 0.5302

Inverse Universe

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



31.5690, 27.2829, 32.8820



53.1186, 43.4256, 53.4304



30.1577, 27.0583, 24.4027



8.6529, 8.5679, 9.6709



14.2464, 7.2161, 6.4577



0.4778, 0.2389, 0.3588

Previews

White Background



This preview shows how the XYZ color 30.6918, 38.4780, 36.8197 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 30.6918, 38.4780, 36.8197 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

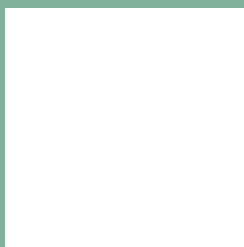
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6918, 38.4780, 36.8197

Background



This preview shows how black text looks on a background with the XYZ color 30.6918, 38.4780, 36.8197.



This preview shows how white text looks on a background with the XYZ color 30.6918, 38.4780,

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

30.6918, 38.4780, 36.8197

Protanopia

36.2946, 38.3266, 33.9186

Deuteranopia

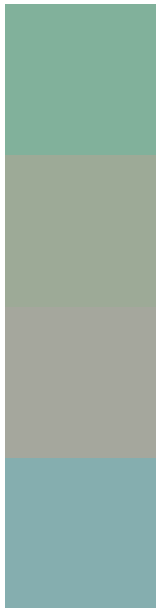
38.9240, 38.2726, 37.6836



Tritanopia

33.7982, 38.5832, 52.1203

Trichromacy



Original Color

30.6918, 38.4780, 36.8197

Protanomaly

33.8653, 38.1519, 34.8573

Deuteranomaly

35.4216, 38.0711, 37.3798

Tritanomaly

32.5468, 38.3538, 46.2451

Monochromacy



Original Color

30.6918, 38.4780, 36.8197

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.2022, 36.1306, 37.6244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6918, 38.4780, 36.8197 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(129, 177, 155)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 155)  
}
```

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(129, 177, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 155) }
```

Border

The CSS property to change the border of an element to XYZ 30.6918, 38.4780, 36.8197 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(129, 177, 155) }
```


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

```
.border{ border-color:rgb(129, 177, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 177, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 177, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 177, 155);  
box-shadow:4px 4px 4px 4px rgb(129, 177,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6918, 38.4780, 36.8197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 155) }
```

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

```
.background{ background-color: rgb(129,  
177, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor