

Converting Colors

XYZ(31.5332, 40.0743, 39.0216)

Have a look what the booklet for
XYZ(31.5332, 40.0743, 39.0216)
contains.

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Color

**XYZ(31.5343, 40.0630,
38.8718)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB59F
RGB	127, 181, 159
RGB Percent	50%, 71%, 62%
CMY	0.5020, 0.2902, 0.3765
CMYK	0.30, 0.00, 0.12, 0.29
HSL	156°, 27%, 60%
HSV	156°, 30%, 71%
XYZ	31.5343, 40.0630, 38.8718
YIQ	162.3460, -25.1220, -18.2900

Conversions

Conversions Part 2

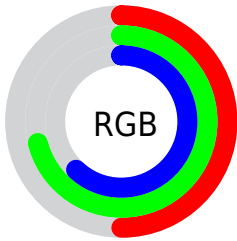
Format	Color
RYB	127, 161, 181
Decimal	8369567
CIELab	69.51, -22.46, 5.56
CIELCh	70, 23.134, 166.098
Yxy	40.0630, 0.2855, 0.3627
Android (android.graphics.Color)	4286559647 (0xFF7FB59F)
YUV	162.3460, -1.6496, -30.9984
Hunter-Lab	63.2953, -21.8366, 7.8948

Details

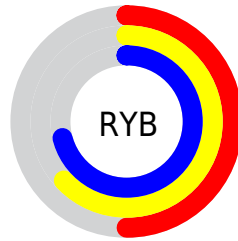
The XYZ color **31.5343, 40.0630, 38.8718** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.0717, 27.1735, 31.9901**, and the grayscale version is **34.5217, 36.3196, 39.5520**.

A 20% lighter version of the original color is **61.4778, 75.2472, 74.9023**, and **13.4064, 18.0576, 16.9662** is the 20% darker color. If you saturate the color by 10%, you get **28.4561, 38.5490, 35.4866**, and if you desaturate by 10%, it is **35.1372, 41.8453, 42.4826**.

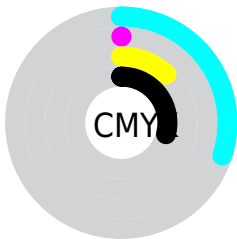
Distribution



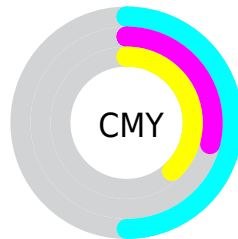
- Red (50%)
- Green (71%)
- Blue (62%)



- Red (50%)
- Yellow (63%)
- Blue (71%)



- Cyan (30%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)





- Cyan (50%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5343, 40.0630, 38.8718 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 31.5343, 40.0630, 38.8718 by changing the saturation by 10% instead.


 31.5343, 40.0630,
38.8718


 31.5343, 40.0630,
38.8718


300.7755,
346.3890, 356.7548


 21.1599, 27.5877,
26.3529


 61.4504, 75.2594,
74.6606

 13.3540, 18.0151,
16.8597

 81.7228, 98.7493,
98.7677

 7.7515, 10.9608,
9.9736


 106.0253,
126.6795, 127.5745

 3.9868, 6.0405,
5.2761

134.7231,
159.4344, 161.4997

 1.6947, 2.8697,
2.3486

168.1817,
197.3985, 200.9618

 0.4529, 1.0641,
0.7583

206.7664,

 0.0000, 0.0000,

240.9560, 246.3793

0.0000

250.8425,
290.4914, 298.1708

■ 31.5343, 40.0630,
38.8718

■ 31.5343, 40.0630,
38.8718

■ 28.4561, 38.5490,
35.4866

■ 35.1372, 41.8453,
42.4826

■ 25.8727, 37.2846,
32.3197

■ 39.2861, 43.9034,
46.3208

■ 23.7562, 36.2567,
29.3669

■ 44.0052, 46.2510,
50.3917

■ 22.0743, 35.4486,
26.6233

■ 49.3161, 48.8990,
54.6994

■ 20.7905, 34.8417,
24.0833

■ 55.2394, 51.8581,
59.2482

■ 19.8619, 34.4138,
21.7410

■ 61.7946, 55.1381,
64.0418

■ 19.2022, 34.1207,
19.5884

■ 69.0004, 58.7487,
69.0843

■ 19.1920, 34.1162,
19.5544

■ 70.4194, 59.3711,
74.0773

■ 71.4063, 59.7659,
79.2743

Harmonies

Analogous

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



33.1428, 40.0630, 30.8760



31.5343, 40.0630, 38.8718



31.5970, 40.0630, 49.5666

Triad

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



31.5343, 40.0630, 38.8718



40.1015, 40.0630, 66.4742



43.2700, 40.0630, 30.4364

Complementary

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



31.5343, 40.0630, 38.8718



32.0717, 27.1735, 31.9901

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.



45.3911, 40.0630, 38.1724



31.5343, 40.0630, 38.8718



43.4818, 40.0630, 59.4661

Square

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



31.5343, 40.0630, 38.8718



36.3818, 40.0630, 66.7442



45.4711, 40.0630, 48.7438



39.8275, 40.0630, 26.5713

Rectangle

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



31.5343, 40.0630, 38.8718



32.5742, 40.0630, 56.8724



45.4711, 40.0630, 48.7438



44.1708, 40.0630, 32.6080

Sweetspot

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



31.5354, 40.0646, 38.8727



70.9028, 78.8976, 83.4414



32.8418, 41.0185, 26.2657



15.0784, 16.9303, 17.8149



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.



31.5354, 40.0646, 38.8727



52.6456, 69.8646, 65.4704



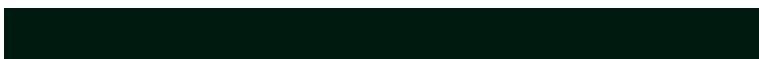
32.7178, 39.0970, 49.5401



8.5932, 9.5718, 10.1173



13.2650, 23.5320, 13.6644



0.4454, 0.7516, 0.5777

Inverse Universe

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



32.0717, 27.1735, 31.9901



53.7683, 42.9368, 51.1064



31.0717, 27.7243, 23.7930



8.6351, 8.5608, 9.5768



14.0157, 7.1238, 5.2425



0.4703, 0.2359, 0.3191

Previews

White Background



This preview shows how the XYZ color 31.5343, 40.0630, 38.8718 looks on a white background.

Color Contrast Check

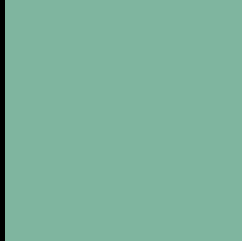
Large Text (above 18pt) WCAG AA × Fail

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 31.5343, 40.0630, 38.8718 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 31.5343, 40.0630, 38.8718

Background



This preview shows how black text looks on a background with the XYZ color 31.5343, 40.0630, 38.8718.



This preview shows how white text looks on a background with the XYZ color 31.5343, 40.0630,

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

31.5343, 40.0630, 38.8718

Protanopia

37.7600, 39.8730, 35.4119

Deuteranopia

40.4471, 39.5301, 40.1486



Tritanopia

34.7608, 39.8806, 55.1558

Trichromacy



Original Color

31.5343, 40.0630, 38.8718

Protanomaly

34.9605, 39.5228, 36.7964

Deuteranomaly

36.6222, 39.4651, 39.8697

Tritanomaly

33.4172, 39.9208, 48.5920

Monochromacy



Original Color

31.5343, 40.0630, 38.8718

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.0154, 37.3387, 39.1852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5343, 40.0630, 38.8718 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(127, 181, 159)` looks like.

```
.text, #text, p{  
    color:rgb(127, 181, 159)  
}
```

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(127, 181, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 181, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.5343, 40.0630, 38.8718 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(127, 181, 159) }
```


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

```
.border{ border-color:rgb(127, 181, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 181, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 181, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 181, 159);  
box-shadow:4px 4px 4px 4px rgb(127, 181,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5343, 40.0630, 38.8718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 181, 159) }
```

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

```
.background{ background-color: rgb(127,  
181, 159) }
```

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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