

Converting Colors

XYZ(31.7318, 35.7941, 38.7931)

Have a look what the booklet for
XYZ(31.7318, 35.7941, 38.7931)
contains.

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Color

**XYZ(31.7463, 35.8654,
38.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	91A6A1
RGB	145, 166, 161
RGB Percent	57%, 65%, 63%
CMY	0.4314, 0.3490, 0.3686
CMYK	0.13, 0.00, 0.03, 0.35
HSL	166°, 11%, 61%
HSV	166°, 13%, 65%
XYZ	31.7463, 35.8654, 38.9677
YIQ	159.1510, -10.9110, -6.0070

Conversions

Conversions Part 2

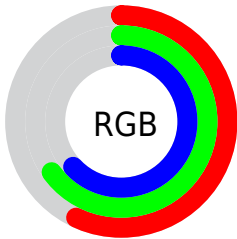
Format	Color
RYB	145, 157, 166
Decimal	9545377
CIELab	66.42, -8.33, 0.10
CIElCh	66, 8.332, 179.302
Yxy	35.8654, 0.2979, 0.3365
Android (android.graphics.Color)	4287735457 (0xFF91A6A1)
YUV	159.1510, 0.9116, -12.4104
Hunter-Lab	59.8877, -10.1812, 3.3426

Details

The XYZ color **31.7463, 35.8654, 38.9677** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.3576, 30.5608, 33.1019**, and the grayscale version is **33.0241, 34.7439, 37.8361**.

A 20% lighter version of the original color is **61.8043, 68.8129, 74.9905**, and **13.4479, 15.5401, 17.0426** is the 20% darker color. If you saturate the color by 10%, you get **28.6893, 34.3301, 37.0337**, and if you desaturate by 10%, it is **35.2439, 37.6285, 40.9814**.

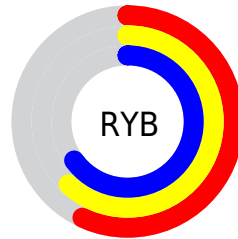
Distribution



Red (57%)

Green (65%)

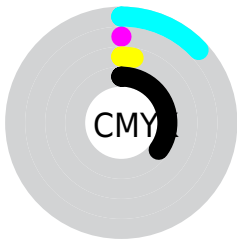
Blue (63%)



Red (57%)

Yellow (62%)

Blue (65%)

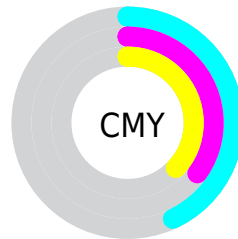


Cyan (13%)

Magenta (0%)

Yellow (3%)

Black (35%)



Cyan (43%)

Magenta (35%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7463, 35.8654, 38.9677 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 31.7463, 35.8654, 38.9677 by changing the saturation by 10% instead.

■ 31.7463, 35.8654,
38.9677

■ 31.7463, 35.8654,
38.9677

301.7278,
328.3719, 357.1750

■ 21.3224, 24.3303,
26.4270

■ 61.7810, 68.8243,
74.8088

■ 13.4737, 15.5788,
16.9147

■ 82.1226, 91.0168,
98.9462

■ 7.8348, 9.2266,
10.0124

106.5007,
117.5305, 127.7862

■ 4.0403, 4.8893,
5.3015

135.2808,
148.7499, 161.7475

■ 1.7250, 2.1824,
2.3634

168.8282,
185.0594, 201.2484

■ 0.4718, 0.7104,
0.7664

207.5083,

■ 0.0000, 0.0000,

226.8432, 246.7076

0.0000

251.6864,
274.4859, 298.5437

■ 31.7463, 35.8654,
38.9677

■ 31.7463, 35.8654,
38.9677

■ 28.6893, 34.3301,
37.0337

■ 35.2439, 37.6285,
40.9814

■ 26.0511, 33.0085,
35.1755

■ 39.1963, 39.6239,
43.0738

■ 23.8130, 31.8918,
33.3927

■ 43.6212, 41.8614,
45.2468

■ 21.9533, 30.9690,
31.6835

■ 48.5341, 44.3493,
47.5018

■ 20.4484, 30.2279,
30.0463

■ 53.9499, 47.0951,
49.8400

■ 19.2720, 29.6549,
28.4794

■ 59.8829, 50.1062,
52.2624

■ 18.3939, 29.2345,
26.9808

■ 64.0274, 52.1940,
54.6617

■ 17.7783, 28.9482,
25.5482

■ 64.4617, 52.3677,
56.9485

■ 17.4328, 28.7921,
24.5344

■ 64.9077, 52.5461,
59.2973

Harmonies

Analogous

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



32.0678, 35.8654, 35.6482



31.7463, 35.8654, 38.9677



32.0397, 35.8654, 42.5108

Triad

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



31.7463, 35.8654, 38.9677



35.2765, 35.8654, 45.3536



35.3283, 35.8654, 33.4372

Complementary

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



31.7463, 35.8654, 38.9677



31.3576, 30.5608, 33.1019

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.



36.2238, 35.8654, 35.7848



31.7463, 35.8654, 38.9677



36.1934, 35.8654, 42.6644

Square

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



31.7463, 35.8654, 38.9677



34.0598, 35.8654, 46.3311



36.5442, 35.8654, 39.1351



34.1182, 35.8654, 32.5771

Rectangle

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



31.7463, 35.8654, 38.9677



32.5487, 35.8654, 44.4946



36.5442, 35.8654, 39.1351



35.6771, 35.8654, 34.0712

Sweetspot

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



31.7473, 35.8669, 38.9685



63.0087, 67.8085, 73.8453



31.3719, 35.8261, 32.0503



13.9918, 15.1196, 16.4645



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.7473, 35.8669, 38.9685



56.0819, 64.3204, 69.7846



31.2623, 34.1767, 41.0272



7.6700, 8.5010, 9.2483



13.5364, 22.3333, 19.1234



0.3474, 0.5506, 0.5604

Inverse Universe

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



31.3576, 30.5608, 33.1019



55.2433, 52.8981, 57.1572



31.7842, 32.0450, 31.2987



7.6016, 7.5705, 8.2194



12.5014, 6.4093, 2.1862



0.3233, 0.1636, 0.1541

Previews

White Background



This preview shows how the XYZ color 31.7463, 35.8654, 38.9677 looks on a white background.

Color Contrast Check

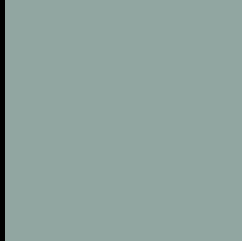
Large Text (above 18pt) WCAG AA × Fail

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 31.7463, 35.8654, 38.9677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

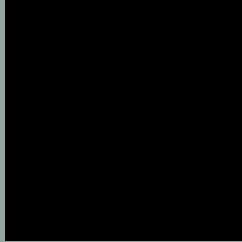
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

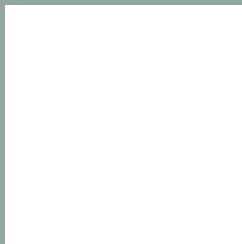
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7463, 35.8654, 38.9677

Background



This preview shows how black text looks on a background with the XYZ color 31.7463, 35.8654, 38.9677.



This preview shows how white text looks on a background with the XYZ color 31.7463, 35.8654,

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

31.7463, 35.8654, 38.9677

Protanopia

34.2594, 35.6096, 37.4154

Deuteranopia

36.4038, 35.6514, 39.6130



Tritanopia

33.4240, 36.0211, 46.7861

Trichromacy



Original Color

31.7463, 35.8654, 38.9677

Protanomaly

33.2789, 35.6130, 37.9209

Deuteranomaly

34.6094, 35.7496, 39.2587

Tritanomaly

32.8384, 36.0536, 43.7563

Monochromacy



Original Color

31.7463, 35.8654, 38.9677

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.5919, 35.2488, 38.3436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7463, 35.8654, 38.9677 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(145, 166, 161)` looks like.

```
.text, #text, p{  
    color:rgb(145, 166, 161)  
}
```

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(145, 166, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 166, 161) }
```

Border

The CSS property to change the border of an element to XYZ 31.7463, 35.8654, 38.9677 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(145, 166, 161) }
```


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

```
.border{ border-color:rgb(145, 166, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 166, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 166, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 166, 161);  
box-shadow:4px 4px 4px 4px rgb(145, 166,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7463, 35.8654, 38.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 166, 161) }
```

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

```
.background{ background-color: rgb(145,  
166, 161) }
```

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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