

Converting Colors

XYZ(31.0884, 35.5129, 36.5659)

Have a look what the booklet for
XYZ(31.0884, 35.5129, 36.5659)
contains.

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Color

**XYZ(31.1386, 35.6020,
36.6832)**

Conversions

Conversions Part 1

Format	Color
Hex	90A69C
RGB	144, 166, 156
RGB Percent	56%, 65%, 61%
CMY	0.4353, 0.3490, 0.3882
CMYK	0.13, 0.00, 0.06, 0.35
HSL	153°, 11%, 61%
HSV	153°, 13%, 65%
XYZ	31.1386, 35.6020, 36.6832
YIQ	158.2820, -9.9020, -7.7740

Conversions

Conversions Part 2

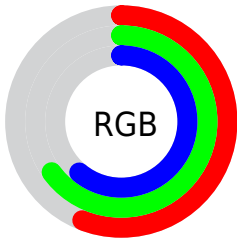
Format	Color
RYB	144, 158, 166
Decimal	9479836
CIELab	66.21, -9.69, 2.58
CIELCh	66, 10.026, 165.067
Yxy	35.6020, 0.3011, 0.3442
Android (android.graphics.Color)	4287669916 (0xFF90A69C)
YUV	158.2820, -1.1250, -12.5253
Hunter-Lab	59.6674, -11.2643, 5.3160

Details

The XYZ color **31.1386, 35.6020, 36.6832** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5332, 30.3876, 34.7770**, and the grayscale version is **32.6364, 34.3360, 37.3919**.

A 20% lighter version of the original color is **60.7780, 68.3718, 70.9665**, and **13.0813, 15.3817, 15.6441** is the 20% darker color. If you saturate the color by 10%, you get **27.8305, 33.9692, 33.2959**, and if you desaturate by 10%, it is **34.9148, 37.4735, 40.3012**.

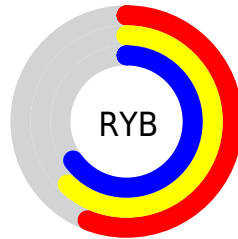
Distribution



Red (56%)

Green (65%)

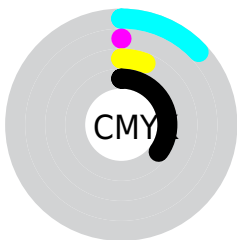
Blue (61%)



Red (56%)

Yellow (62%)

Blue (65%)

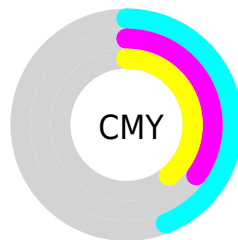


Cyan (13%)

Magenta (0%)

Yellow (6%)

Black (35%)



Cyan (44%)

Magenta (35%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1386, 35.6020, 36.6832 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 31.1386, 35.6020, 36.6832 by changing the saturation by 10% instead.

■ 31.1386, 35.6020,
36.6832

■ 31.1386, 35.6020,
36.6832

298.9918,
327.2176, 347.0642

■ 20.8568, 24.1270,
24.6684

■ 60.8326, 68.4173,
71.2661

■ 13.1312, 15.4278,
15.6134

■ 80.9754, 90.5264,
94.6714

■ 7.5966, 9.1202,
9.0996

105.1360,
116.9489, 122.7106

■ 3.8875, 4.8197,
4.7085

133.6796,
148.0694, 155.8022

■ 1.6387, 2.1418,
2.0216

166.9716,
184.2720, 194.3649

■ 0.4174, 0.6880,
0.5685

205.3774,

■ 0.0000, 0.0000,

225.9414, 238.8171

0.0000

249.2624,
273.4618, 289.5773

■ 31.1386, 35.6020,
36.6832

■ 31.1386, 35.6020,
36.6832

■ 27.8305, 33.9692,
33.2959

■ 34.9148, 37.4735,
40.3012

■ 24.9683, 32.5607,
30.1323

■ 39.1742, 39.5885,
44.1520

■ 22.5322, 31.3675,
27.1884

■ 43.9348, 41.9571,
48.2408

■ 20.5000, 30.3782,
24.4591

■ 49.2130, 44.5878,
52.5717

■ 18.8473, 29.5802,
21.9394

■ 55.0243, 47.4883,
57.1488

■ 17.5467, 28.9597,
19.6236

■ 61.3835, 50.6663,
61.9762

■ 16.5672, 28.5006,
17.5060

■ 66.3642, 53.1286,
66.9670

■ 15.8717, 28.1839,
15.5803

■ 67.3200, 53.5110,
72.0004

■ 15.5053, 28.0211,
14.3845

■ 68.3207, 53.9113,
77.2700

Harmonies

Analogous

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



31.8458, 35.6020, 33.2402



31.1386, 35.6020, 36.6832



31.1402, 35.6020, 40.9423

Triad

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



31.1386, 35.6020, 36.6832



34.5908, 35.6020, 47.2624



35.9080, 35.6020, 33.2280

Complementary

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



31.1386, 35.6020, 36.6832



31.5332, 30.3876, 34.7770

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.



36.6886, 35.6020, 36.6653



31.1386, 35.6020, 36.6832



35.9130, 35.6020, 44.8693

Square

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



31.1386, 35.6020, 36.6832



33.1039, 35.6020, 47.2681



36.6904, 35.6020, 40.9231



34.5842, 35.6020, 31.3474

Rectangle

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



31.1386, 35.6020, 36.6832



31.5418, 35.6020, 43.6852



36.6904, 35.6020, 40.9231



36.2443, 35.6020, 34.2280

Sweetspot

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



31.1396, 35.6035, 36.6840



62.7693, 67.7128, 72.5850



32.0487, 36.1839, 31.6812



13.9288, 15.0944, 16.1328



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.



31.1396, 35.6035, 36.6840



54.5972, 63.6668, 64.6599



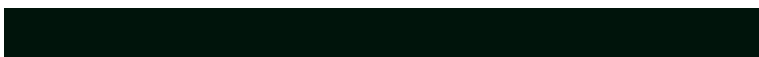
31.8891, 35.6906, 41.2863



7.6014, 8.4736, 8.8874



12.0468, 21.7375, 11.2794



0.3184, 0.5390, 0.4077

Inverse Universe

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



31.5332, 30.3876, 34.7770



55.4574, 52.2677, 60.4926



30.8457, 30.2909, 30.6072



7.6676, 7.5969, 8.5668



13.2149, 6.6947, 5.9432



0.3475, 0.1733, 0.2814

Previews

White Background



This preview shows how the XYZ color 31.1386, 35.6020, 36.6832 looks on a white background.

Color Contrast Check

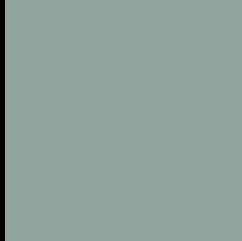
Large Text (above 18pt) WCAG AA × Fail

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 31.1386, 35.6020, 36.6832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

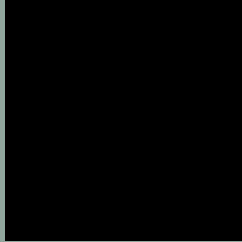
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

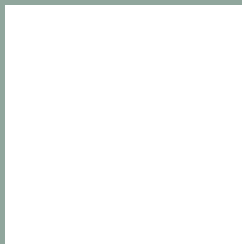
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1386, 35.6020, 36.6832

Background



This preview shows how black text looks on a background with the XYZ color 31.1386, 35.6020, 36.6832.



This preview shows how white text looks on a background with the XYZ color 31.1386, 35.6020,

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

31.1386, 35.6020, 36.6832

Protanopia

33.8376, 35.4409, 35.1943

Deuteranopia

36.0244, 35.2584, 37.2546



Tritanopia

32.9663, 35.5320, 46.1952

Trichromacy



Original Color

31.1386, 35.6020, 36.6832

Protanomaly

32.6577, 35.3419, 35.6723

Deuteranomaly

34.0010, 35.2299, 36.9063

Tritanomaly

32.2910, 35.5265, 42.6915

Monochromacy



Original Color

31.1386, 35.6020, 36.6832

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.9675, 34.6964, 36.9105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1386, 35.6020, 36.6832 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(144, 166, 156)` looks like.

```
.text, #text, p{  
    color:rgb(144, 166, 156)  
}
```

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(144, 166, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 166, 156) }
```

Border

The CSS property to change the border of an element to XYZ 31.1386, 35.6020, 36.6832 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(144, 166, 156) }
```


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

```
.border{ border-color:rgb(144, 166, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 166, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 166, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 166, 156);  
box-shadow:4px 4px 4px 4px rgb(144, 166,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1386, 35.6020, 36.6832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 166, 156) }
```

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

```
.background{ background-color: rgb(144,  
166, 156) }
```

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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