

Converting Colors

XYZ(31.4774, 36.0918, 30.2199)

Have a look what the booklet for
XYZ(31.4774, 36.0918, 30.2199)
contains.

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Color

**XYZ(31.5012, 36.2063,
30.1392)**

Conversions

Conversions Part 1

Format	Color
Hex	98A78C
RGB	152, 167, 140
RGB Percent	60%, 65%, 55%
CMY	0.4039, 0.3451, 0.4510
CMYK	0.09, 0.00, 0.16, 0.35
HSL	93°, 13%, 60%
HSV	93°, 16%, 65%
XYZ	31.5012, 36.2063, 30.1392
YIQ	159.4370, -0.2730, -11.5770

Conversions

Conversions Part 2

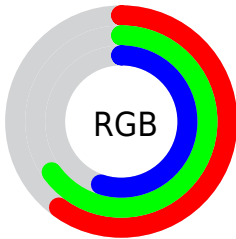
Format	Color
RYB	140, 167, 155
Decimal	10004364
CIELab	66.68, -10.35, 12.20
CIElCh	67, 16.001, 130.297
Yxy	36.2063, 0.3219, 0.3700
Android (android.graphics.Color)	4288194444 (0xFF98A78C)
YUV	159.4370, -9.5824, -6.5222
Hunter-Lab	60.1717, -11.8517, 12.4226

Details

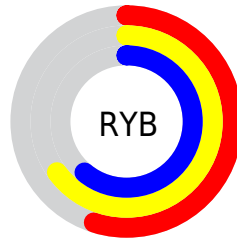
The XYZ color **31.5012, 36.2063, 30.1392** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.8723, 28.5158, 40.4909**, and the grayscale version is **33.1982, 34.9271, 38.0357**.

A 20% lighter version of the original color is **61.3125, 69.2594, 61.1758**, and **13.3430, 15.7664, 12.0128** is the 20% darker color. If you saturate the color by 10%, you get **28.6930, 34.8913, 24.0603**, and if you desaturate by 10%, it is **34.6342, 37.6693, 37.2105**.

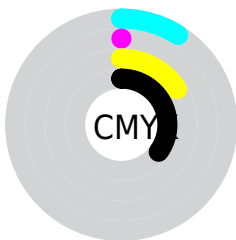
Distribution



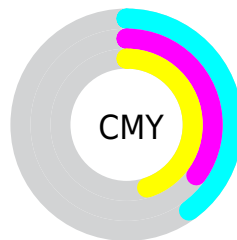
- Red (60%)
- Green (65%)
- Blue (55%)



- Red (55%)
- Yellow (65%)
- Blue (61%)



- Cyan (9%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)



- Cyan (40%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5012, 36.2063, 30.1392 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 31.5012, 36.2063, 30.1392 by changing the saturation by 10% instead.

■ 31.5012, 36.2063,
30.1392

■ 31.5012, 36.2063,
30.1392

300.6266,
329.8613, 316.7802

■ 21.1345, 24.5936,
19.6913

■ 61.3988, 69.3504,
60.9459

■ 13.3354, 15.7745,
11.9890

■ 81.6604, 91.6505,
82.1417

■ 7.7385, 9.3647,
6.6138

■ 105.9510,
118.2819, 107.7573

■ 3.9785, 4.9798,
3.1470

134.6360,
149.6289, 138.2112

■ 1.6900, 2.2354,
1.1702

168.0806,
186.0760, 173.9219

■ 0.4500, 0.7392,
0.0000

206.6504,

■ 0.0000, 0.0000,

228.0075, 215.3079

0.0000

250.7106,
275.8078, 262.7878

■ 31.5012, 36.2063,
30.1392

■ 31.5012, 36.2063,
30.1392

■ 28.6930, 34.8913,
24.0603

■ 34.6342, 37.6693,
37.2105

■ 26.1951, 33.7147,
18.9270

■ 38.1000, 39.2802,
45.3133

■ 23.9963, 32.6726,
14.6923


■ 41.9098, 41.0451,
54.4877


■ 22.0835, 31.7595,
11.3044


■ 46.0734, 42.9682,
64.7707


■ 20.4424, 30.9693,
8.7060


■ 50.6003, 45.0537,
76.1978


 19.0571, 30.2952,
6.8327


 55.4996, 47.3054,
88.8027


 17.9098, 29.7296,
5.6102

 60.4717, 49.6039,
100.9951

 16.9772, 29.2628,
4.9372

 63.3074, 51.0658,
101.1278

 16.6597, 29.1031,
4.7394

 66.3007, 52.6089,
101.2678

Harmonies

Analogous

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



33.5910, 36.2063, 27.7501



31.5012, 36.2063, 30.1392



30.2308, 36.2063, 35.1139

Triad

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



31.5012, 36.2063, 30.1392



32.8737, 36.2063, 53.2884



39.1783, 36.2063, 37.0967

Complementary

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



31.5012, 36.2063, 30.1392



29.8723, 28.5158, 40.4909

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.



38.9642, 36.2063, 44.0699



31.5012, 36.2063, 30.1392



35.2483, 36.2063, 53.9802

Square

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



31.5012, 36.2063, 30.1392



30.9972, 36.2063, 48.6470



37.4989, 36.2063, 50.4396



38.0710, 36.2063, 31.4447

Rectangle

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



31.5012, 36.2063, 30.1392



29.9826, 36.2063, 39.4914



37.4989, 36.2063, 50.4396



39.2597, 36.2063, 39.3537

Sweetspot

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



31.5022, 36.2079, 30.1400



62.6646, 67.7577, 68.1126



32.3678, 33.5032, 29.5723



13.9332, 15.1210, 15.0349



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.



31.5022, 36.2079, 30.1400



54.7563, 64.0662, 50.3303



29.4689, 35.1481, 30.5678



7.7413, 8.5648, 8.0344



12.8022, 22.2970, 3.6290



0.3707, 0.5730, 0.0911

Inverse Universe

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



29.8723, 28.5158, 40.4909



51.3401, 47.9451, 72.0237



32.1667, 29.7130, 39.9500



7.5154, 7.4983, 9.4696



8.8326, 3.9368, 28.2698



0.2723, 0.1254, 0.6905

Previews

White Background



This preview shows how the XYZ color 31.5012, 36.2063, 30.1392 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 31.5012, 36.2063, 30.1392 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 31.5012, 36.2063, 30.1392

Background



This preview shows how black text looks on a background with the XYZ color 31.5012, 36.2063, 30.1392.



This preview shows how white text looks on a background with the XYZ color 31.5012, 36.2063,

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

31.5012, 36.2063, 30.1392

Protanopia

34.0133, 36.1929, 28.8601

Deuteranopia

36.7785, 36.0442, 30.6100



Tritanopia

34.5628, 36.1039, 45.7045

Trichromacy



Original Color

31.5012, 36.2063, 30.1392

Protanomaly

32.9672, 36.1724, 29.2892

Deuteranomaly

34.6121, 35.9489, 30.3139

Tritanomaly

33.3146, 36.1281, 39.4000

Monochromacy



Original Color

31.5012, 36.2063, 30.1392

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.2981, 35.1756, 34.7930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5012, 36.2063, 30.1392 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(152, 167, 140)` looks like.

```
.text, #text, p{  
    color:rgb(152, 167, 140)  
}
```

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(152, 167, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 167, 140) }
```

Border

The CSS property to change the border of an element to XYZ 31.5012, 36.2063, 30.1392 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(152, 167, 140) }
```


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

```
.border{ border-color:rgb(152, 167, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 167, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 167, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 167, 140);  
box-shadow:4px 4px 4px 4px rgb(152, 167,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5012, 36.2063, 30.1392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 167, 140) }
```

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

```
.background{ background-color: rgb(152,  
167, 140) }
```

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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