

Converting Colors

XYZ(31.4394, 30.5877, 36.3772)

Have a look what the booklet for
XYZ(31.4394, 30.5877, 36.3772)
contains.

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Color

**XYZ(31.4012, 30.5060,
36.5810)**

Conversions

Conversions Part 1

Format	Color
Hex	A3919E
RGB	163, 145, 158
RGB Percent	64%, 57%, 62%
CMY	0.3608, 0.4314, 0.3804
CMYK	0.00, 0.11, 0.03, 0.36
HSL	317°, 9%, 60%
HSV	317°, 11%, 64%
XYZ	31.4012, 30.5060, 36.5810
YIQ	151.8640, 6.5550, 7.8590

Conversions

Conversions Part 2

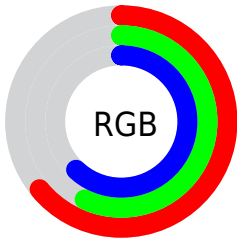
Format	Color
R_{YB}	163, 145, 158
Decimal	10719646
CIE Lab	62.09, 9.06, -4.40
CIE LCh	62, 10.076, 334.101
Yxy	30.5060, 0.3188, 0.3097
Android (android.graphics.Color)	4288909726 (0xFFA3919E)
YUV	151.8640, 3.0250, 9.7663
Hunter-Lab	55.2322, 4.8262, -0.6059

Details

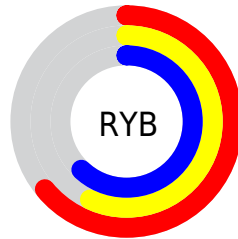
The XYZ color **31.4012, 30.5060, 36.5810** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2804, 34.4169, 33.9030**, and the grayscale version is **29.7725, 31.3230, 34.1108**.

A 20% lighter version of the original color is **61.3471, 60.5564, 71.4060**, and **13.3016, 12.6255, 15.6458** is the 20% darker color. If you saturate the color by 10%, you get **28.7046, 25.7248, 33.7946**, and if you desaturate by 10%, it is **34.4713, 36.0103, 39.5635**.

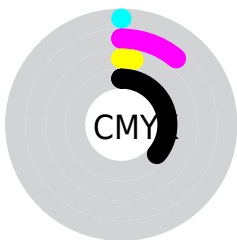
Distribution



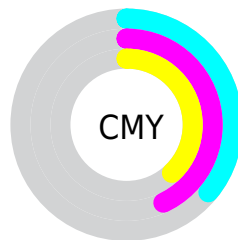
- Red (64%)
- Green (57%)
- Blue (62%)



- Red (64%)
- Yellow (57%)
- Blue (62%)



- Cyan (0%)
- Magenta (11%)
- Yellow (3%)
- Black (36%)



- Cyan (36%)
- Magenta (43%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4012, 30.5060, 36.5810 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 31.4012, 30.5060, 36.5810 by changing the saturation by 10% instead.

■ 31.4012, 30.5060,
36.5810

■ 31.4012, 30.5060,
36.5810

300.1764,
304.2560, 346.6068

■ 21.0579, 20.2230,
24.5900

■ 61.2427, 60.4615,
71.1070

■ 13.2790, 12.5572,
15.5556

■ 81.4716, 80.9027,
94.4791

■ 7.6993, 7.1244,
9.0593

105.7264,
105.4988, 122.4819

■ 3.9533, 3.5400,
4.6826

134.3725,
134.6341, 155.5341

■ 1.6758, 1.4197,
2.0068

167.7752,
168.6931, 194.0542

■ 0.4410, 0.2312,
0.5594

206.2998,

■ 0.0000, 0.0000,

208.0602, 238.4606

0.0000

250.3118,
253.1197, 289.1720

■ 31.4012, 30.5060,
36.5810

■ 31.4012, 30.5060,
36.5810

■ 28.7046, 25.7248,
33.7946

■ 34.4713, 36.0103,
39.5635

■ 26.3636, 21.6325,
31.1964

■ 37.9266, 42.2623,
42.7457

■ 24.3627, 18.1977,
28.7810

■ 41.7816, 49.2903,
46.1335

■ 22.6841, 15.3854,
26.5416

■ 46.0493, 57.1199,
49.7319

■ 21.3085, 13.1571,
24.4710

■ 50.7420, 65.7757,
53.5458

■ 20.2144, 11.4701,
22.5612

■ 55.8716, 75.2809,
57.5797

■ 19.3773, 10.2757,
20.8033

■ 60.1259, 83.0112,
61.3970

■ 18.7685, 9.5167,
19.1867

■ 60.6276, 83.2119,
64.0394

■ 18.3576, 9.0879,
17.8381

■ 61.1449, 83.4188,
66.7634

Harmonies

Analogous

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



30.4796, 30.5060, 39.7819



31.4012, 30.5060, 36.5810



31.6708, 30.5060, 32.6854

Triad

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



31.4012, 30.5060, 36.5810



28.8092, 30.5060, 26.3186



26.8918, 30.5060, 37.5750

Complementary

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



31.4012, 30.5060, 36.5810



30.2804, 34.4169, 33.9030

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.



26.4744, 30.5060, 33.7520



31.4012, 30.5060, 36.5810



27.5594, 30.5060, 27.4152

Square

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



31.4012, 30.5060, 36.5810



30.1474, 30.5060, 26.9486



26.7150, 30.5060, 30.0637



27.8724, 30.5060, 40.3864

Rectangle

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



31.4012, 30.5060, 36.5810



31.4376, 30.5060, 30.2626



26.7150, 30.5060, 30.0637



26.6823, 30.5060, 36.3552

Sweetspot

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



31.4021, 30.5073, 36.5817



60.5725, 62.3991, 69.7501



29.2785, 29.3618, 38.7749



13.5042, 13.8347, 15.5697



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.4021, 30.5073, 36.5817



55.1191, 52.6423, 64.3865



30.6715, 30.2151, 32.7345



7.2800, 7.1684, 8.4608



14.2871, 7.0709, 13.9683



0.3186, 0.1559, 0.3904

Inverse Universe

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



31.4021, 30.5073, 36.5817



55.1191, 52.6423, 64.3865



31.0159, 34.7111, 37.7759



7.2800, 7.1684, 8.4608



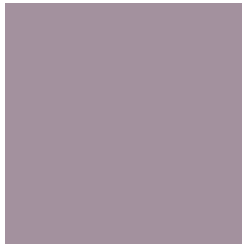
14.2871, 7.0709, 13.9683



0.3186, 0.1559, 0.3904

Previews

White Background



This preview shows how the XYZ color 31.4012, 30.5060, 36.5810 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 31.4012, 30.5060, 36.5810 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 31.4012, 30.5060, 36.5810

Background



This preview shows how black text looks on a background with the XYZ color 31.4012, 30.5060, 36.5810.



This preview shows how white text looks on a background with the XYZ color 31.4012, 30.5060,

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

31.4012, 30.5060, 36.5810

Protanopia

29.7581, 30.5521, 38.0469

Deuteranopia

31.1484, 30.6035, 36.6131



Tritanopia

31.3155, 30.4716, 36.1294

Trichromacy



Original Color

31.4012, 30.5060, 36.5810

Protanomaly

30.4526, 30.6864, 37.5758

Deuteranomaly

31.3507, 30.7078, 36.6226

Tritanomaly

31.3155, 30.4716, 36.1294

Monochromacy



Original Color

31.4012, 30.5060, 36.5810

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2905, 30.8959, 34.9389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4012, 30.5060, 36.5810 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(163, 145, 158)` looks like.

```
.text, #text, p{  
    color:rgb(163, 145, 158)  
}
```

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(163, 145, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 145, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.4012, 30.5060, 36.5810 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(163, 145, 158) }
```


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

```
.border{ border-color:rgb(163, 145, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 145, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 145, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 145, 158);  
box-shadow:4px 4px 4px 4px rgb(163, 145,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4012, 30.5060, 36.5810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 145, 158) }
```

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

```
.background{ background-color: rgb(163,  
145, 158) }
```

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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