

Converting Colors

XYZ(31.4804, 36.1226, 18.0834)

Have a look what the booklet for
XYZ(31.4804, 36.1226, 18.0834)
contains.

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Color

**XYZ(31.6014, 36.2510,
18.1635)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A667
RGB	165, 166, 103
RGB Percent	65%, 65%, 40%
CMY	0.3529, 0.3490, 0.5961
CMYK	0.01, 0.00, 0.38, 0.35
HSL	61°, 26%, 53%
HSV	61°, 38%, 65%
XYZ	31.6014, 36.2510, 18.1635
YIQ	158.5190, 19.6270, -19.8050

Conversions

Conversions Part 2

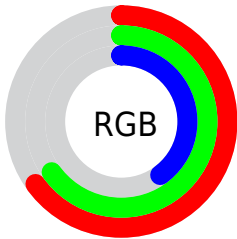
Format	Color
RYB	103, 166, 104
Decimal	10856039
CIELab	66.71, -10.13, 32.51
CIELCh	67, 34.050, 107.306
Yxy	36.2510, 0.3674, 0.4214
Android (android.graphics.Color)	4289046119 (0xFFA5A667)
YUV	158.5190, -27.3709, 5.6838
Hunter-Lab	60.2088, -11.6773, 24.2598

Details

The XYZ color **31.6014, 36.2510, 18.1635** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.4434, 15.3976, 38.1312**, and the grayscale version is **32.8504, 34.5612, 37.6372**.

A 20% lighter version of the original color is **61.5916, 69.4516, 41.1696**, and **13.3653, 15.7457, 5.8248** is the 20% darker color. If you saturate the color by 10%, you get **30.7950, 35.9234, 14.1999**, and if you desaturate by 10%, it is **32.5752, 36.6482, 22.9999**.

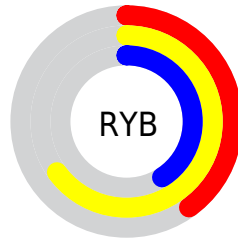
Distribution



Red (65%)

Green (65%)

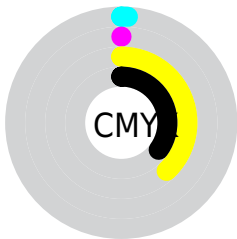
Blue (40%)



Red (40%)

Yellow (65%)

Blue (41%)

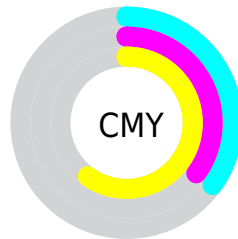


Cyan (1%)

Magenta (0%)

Yellow (38%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6014, 36.2510, 18.1635 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 31.6014, 36.2510, 18.1635 by changing the saturation by 10% instead.

■ 31.6014, 36.2510,
18.1635

■ 31.6014, 36.2510,
18.1635

301.0771,
330.0563, 254.0580

■ 21.2113, 24.6281,
10.8968

■ 61.5551, 69.4193,
41.1334

■ 13.3919, 15.8002,
5.8842

■ 81.8494, 91.7335,
57.6737

■ 7.7778, 9.3829,
2.7071

■ 106.1758,
118.3803, 78.1423

■ 4.0037, 4.9918,
0.9470

■ 134.8997,
149.7440, 102.9576

■ 1.7042, 2.2424,
0.0000

168.3865,
186.2090, 132.5383

■ 0.4589, 0.7430,
0.0000

207.0014,

■ 0.0000, 0.0000,

228.1599, 167.3029

0.0000

251.1098,
275.9808, 207.6700

■ 31.6014, 36.2510,
18.1635

■ 31.6014, 36.2510,
18.1635

■ 30.7950, 35.9234,
14.1999

■ 32.5752, 36.6482,
22.9999

■ 30.1434, 35.6564,
11.0551

■ 33.7227, 37.1136,
28.7544

■ 29.6366, 35.4473,
8.6724


■ 35.0532, 37.6522,
35.4719


■ 29.2624, 35.2913,
6.9871


■ 36.5746, 38.2671,
43.1936


■ 29.0064, 35.1827,
5.9239

■ 38.2941, 38.9613,
51.9585


 28.8444, 35.1115,
5.3546

 40.2188, 39.7376,
61.8034

 28.8146, 35.0984,
5.2560

 42.3554, 40.5987,
72.7632

 44.7102, 41.5471,
84.8715

 47.2892, 42.5852,
98.1602

Harmonies

Analogous

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



36.6707, 36.2510, 17.8148



31.6014, 36.2510, 18.1635



27.6969, 36.2510, 23.2359

Triad

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



31.6014, 36.2510, 18.1635



28.1854, 36.2510, 64.1119



45.0117, 36.2510, 46.0159

Complementary

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



31.6014, 36.2510, 18.1635



17.4434, 15.3976, 38.1312

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.



42.2327, 36.2510, 61.9145



31.6014, 36.2510, 18.1635



32.3313, 36.2510, 73.9773

Square

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



31.6014, 36.2510, 18.1635



25.8634, 36.2510, 48.4933



37.4764, 36.2510, 73.0857



44.7664, 36.2510, 31.6438

Rectangle

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



31.6014, 36.2510, 18.1635



26.1265, 36.2510, 29.5370



37.4764, 36.2510, 73.0857



44.3895, 36.2510, 51.4151

Sweetspot

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



31.6023, 36.2526, 18.1643



62.7921, 67.9984, 60.2135



23.0255, 18.7876, 15.2452



13.9806, 15.1880, 13.1157



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.



31.6023, 36.2526, 18.1643



56.0334, 65.2537, 26.4854



25.9972, 33.3631, 17.9019



8.1349, 8.7676, 8.0528



22.3470, 27.2175, 4.0757



0.5473, 0.6641, 0.0993

Inverse Universe

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



17.4434, 15.3976, 38.1312



26.4161, 21.6260, 68.2572



21.6456, 17.5639, 38.3278



7.1424, 7.3060, 9.4521



5.3669, 2.1502, 28.1076



0.1339, 0.0540, 0.6840

Previews

White Background



This preview shows how the XYZ color 31.6014, 36.2510, 18.1635 looks on a white background.

Color Contrast Check

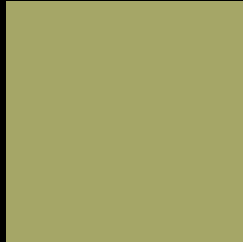
Large Text (above 18pt) WCAG AA × Fail

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 31.6014, 36.2510, 18.1635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

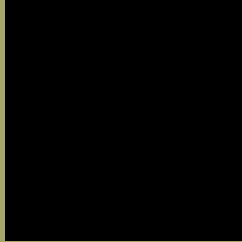
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6014, 36.2510, 18.1635

Background



This preview shows how black text looks on a background with the XYZ color 31.6014, 36.2510, 18.1635.



This preview shows how white text looks on a background with the XYZ color 31.6014, 36.2510,

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

31.6014, 36.2510, 18.1635

Protanopia

33.4501, 36.1471, 17.7844

Deuteranopia

36.7768, 36.0647, 18.3874



Tritanopia

36.7161, 36.2402, 43.0901

Trichromacy



Original Color

31.6014, 36.2510, 18.1635

Protanomaly

32.7290, 36.0379, 17.8014

Deuteranomaly

34.6640, 35.9861, 18.2157

Tritanomaly

34.5107, 36.1111, 32.3454

Monochromacy



Original Color

31.6014, 36.2510, 18.1635

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.2785, 35.2818, 29.5349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6014, 36.2510, 18.1635 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(165, 166, 103)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 103)  
}
```

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(165, 166, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 103) }
```

Border

The CSS property to change the border of an element to XYZ 31.6014, 36.2510, 18.1635 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(165, 166, 103) }
```


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

```
.border{ border-color:rgb(165, 166, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 166, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 103);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6014, 36.2510, 18.1635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 166, 103) }
```

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

```
.background{ background-color: rgb(165,  
166, 103) }
```

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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