

Converting Colors

XYZ(31.7000, 35.7447, 20.4045)

Have a look what the booklet for
XYZ(31.7000, 35.7447, 20.4045)
contains.

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Color

**XYZ(31.6618, 35.6979,
20.2606)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A46F
RGB	165, 164, 111
RGB Percent	65%, 64%, 44%
CMY	0.3529, 0.3568, 0.5647
CMYK	0.00, 0.01, 0.33, 0.35
HSL	59°, 23%, 54%
HSV	59°, 33%, 65%
XYZ	31.6618, 35.6979, 20.2606
YIQ	158.2570, 17.6090, -16.2710

Conversions

Conversions Part 2

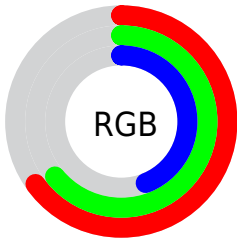
Format	Color
RYB	112, 165, 111
Decimal	10855535
CIELab	66.29, -8.09, 27.70
CIELCh	66, 28.852, 106.275
Yxy	35.6979, 0.3614, 0.4074
Android (android.graphics.Color)	4289045615 (0xFFA5A46F)
YUV	158.2570, -23.2977, 5.9136
Hunter-Lab	59.7477, -9.9669, 21.7180

Details

The XYZ color **31.6618, 35.6979, 20.2606** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.1413, 17.6842, 38.0021**, and the grayscale version is **32.7137, 34.4174, 37.4806**.

A 20% lighter version of the original color is **61.7612, 68.6795, 44.6516**, and **13.3458, 15.3809, 6.8228** is the 20% darker color. If you saturate the color by 10%, you get **30.7819, 35.2601, 15.8916**, and if you desaturate by 10%, it is **32.7115, 36.2063, 25.5150**.

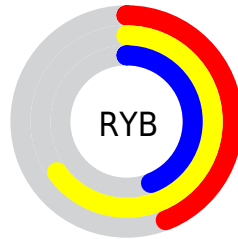
Distribution



Red (65%)

Green (64%)

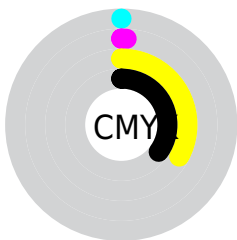
Blue (44%)



Red (44%)

Yellow (65%)

Blue (44%)

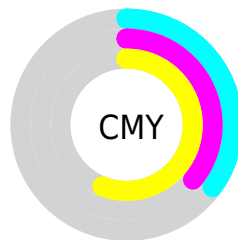


Cyan (0%)

Magenta (1%)

Yellow (33%)

Black (35%)



Cyan (35%)

Magenta (36%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6618, 35.6979, 20.2606 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 31.6618, 35.6979, 20.2606 by changing the saturation by 10% instead.

■ 31.6618, 35.6979,
20.2606

■ 31.6618, 35.6979,
20.2606

301.3485,
327.6382, 265.9732

■ 21.2576, 24.2010,
12.3987

■ 61.6493, 68.5655,
44.7184

■ 13.4260, 15.4828,
6.8900

■ 81.9633, 90.7050,
62.1513

■ 7.8015, 9.1589,
3.3160

■ 106.3113,
117.1608, 83.6116

■ 4.0189, 4.8450,
1.2582

■ 135.0586,
148.3173, 109.5179

■ 1.7129, 2.1566,
0.0271

168.5707,
184.5589, 140.2886

■ 0.4643, 0.6962,
0.0000

207.2128,

■ 0.0000, 0.0000,

226.2700, 176.3424

0.0000

251.3502,
273.8349, 218.0977

■ 31.6618, 35.6979,
20.2606

■ 31.6618, 35.6979,
20.2606

■ 30.7819, 35.2601,
15.8916

■ 32.7115, 36.2063,
25.5150

■ 30.0598, 34.8844,
12.3571

■ 33.9368, 36.7839,
31.6977

■ 29.4863, 34.5683,
9.6043


■ 35.3466, 37.4356,
38.8512


■ 29.0501, 34.3074,
7.5737


■ 36.9484, 38.1642,
47.0151


■ 28.7382, 34.0964,
6.1969


■ 38.7492, 38.9727,
56.2264


 28.5351, 33.9291,
5.3929

 40.7558, 39.8637,
66.5206

 28.4297, 33.8245,
5.0304

 42.9745, 40.8397,
77.9312

 45.4115, 41.9032,
90.4905

 47.3391, 42.7633,
100.3668

Harmonies

Analogous

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



35.9324, 35.6979, 20.0842



31.6618, 35.6979, 20.2606



28.2910, 35.6979, 24.6746

Triad

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



31.6618, 35.6979, 20.2606



28.5225, 35.6979, 58.6474



42.6256, 35.6979, 44.7708

Complementary

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



31.6618, 35.6979, 20.2606



19.1413, 17.6842, 38.0021

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.



40.2721, 35.6979, 57.6709



31.6618, 35.6979, 20.2606



32.0030, 35.6979, 66.7553

Square

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



31.6618, 35.6979, 20.2606



26.5862, 35.6979, 45.9006



36.3036, 35.6979, 66.3642



42.5146, 35.6979, 32.5948

Rectangle

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



31.6618, 35.6979, 20.2606



26.9001, 35.6979, 30.0876



36.3036, 35.6979, 66.3642



42.0884, 35.6979, 49.2115

Sweetspot

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



31.6627, 35.6995, 20.2613



61.3883, 66.1611, 59.8584



24.1713, 20.5565, 18.2582



13.3504, 14.4314, 12.7300



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.



31.6627, 35.6995, 20.2613



55.5723, 63.3727, 30.6560



27.1063, 33.6164, 20.0994



7.6382, 8.2147, 7.5631



21.5115, 25.5969, 3.8069



0.4553, 0.5444, 0.0811

Inverse Universe

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



19.1413, 17.6842, 38.0021



29.7499, 26.2214, 67.2456



22.6623, 19.3370, 38.1356



6.7105, 6.8799, 8.8773



5.1670, 2.1134, 27.0654



0.1115, 0.0503, 0.5697

Previews

White Background



This preview shows how the XYZ color 31.6618, 35.6979, 20.2606 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 31.6618, 35.6979, 20.2606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

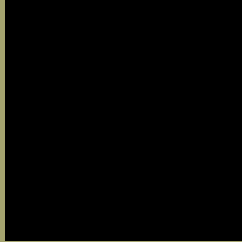
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6618, 35.6979, 20.2606

Background



This preview shows how black text looks on a background with the XYZ color 31.6618, 35.6979, 20.2606.



This preview shows how white text looks on a background with the XYZ color 31.6618, 35.6979,

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

31.6618, 35.6979, 20.2606

Protanopia

33.0149, 35.6142, 19.8860

Deuteranopia

36.2745, 35.5099, 20.5650



Tritanopia

36.2317, 35.7492, 42.5268

Trichromacy



Original Color

31.6618, 35.6979, 20.2606

Protanomaly

32.5294, 35.6244, 19.9136

Deuteranomaly

34.4429, 35.5687, 20.3793

Tritanomaly

34.2783, 35.7147, 33.1039

Monochromacy



Original Color

31.6618, 35.6979, 20.2606

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.0765, 34.6418, 30.1952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6618, 35.6979, 20.2606 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, 164, 111)` looks like.

```
.text, #text, p{  
    color:rgb(165, 164, 111)  
}
```

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, 164, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 164, 111) }
```

Border

The CSS property to change the border of an element to XYZ 31.6618, 35.6979, 20.2606 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, 164, 111) }
```


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

```
.border{ border-color:rgb(165, 164, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 164, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 164, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 164, 111);  
box-shadow:4px 4px 4px 4px rgb(165, 164,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6618, 35.6979, 20.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 164, 111) }
```

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

```
.background{ background-color: rgb(165,  
164, 111) }
```

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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