

Converting Colors

XYZ(31.6236, 38.4744, 6.3404)

Have a look what the booklet for
XYZ(31.6236, 38.4744, 6.3404)
contains.

XYZ(31.6303, 38.4769, 6.3319)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.6303, 38.4769,
6.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAD12
RGB	170, 173, 18
RGB Percent	67%, 68%, 7%
CMY	0.3333, 0.3215, 0.9294
CMYK	0.02, 0.00, 0.90, 0.32
HSL	61°, 81%, 37%
HSV	61°, 90%, 68%
XYZ	31.6303, 38.4769, 6.3319
YIQ	154.4330, 47.9670, -48.8410

Conversions

Conversions Part 2

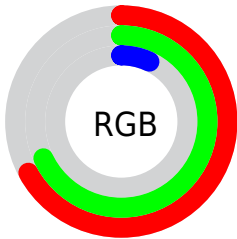
Format	Color
RYB	18, 173, 21
Decimal	11185426
CIELab	68.37, -17.18, 67.98
CIELCh	68, 70.117, 104.179
Yxy	38.4769, 0.4138, 0.5034
Android (android.graphics.Color)	4289375506 (0xFFAAAD12)
YUV	154.4330, -67.2615, 13.6523
Hunter-Lab	62.0298, -17.5311, 37.3686

Details

The XYZ color **31.6303, 38.4769, 6.3319** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.0694, 3.6099, 39.8091**, and the grayscale version is **31.1791, 32.8028, 35.7223**.

A 20% lighter version of the original color is **61.6567, 72.7849, 19.1867**, and **13.6474, 17.1855, 2.5978** is the 20% darker color. If you saturate the color by 10%, you get **31.4534, 38.3992, 5.7744**, and if you desaturate by 10%, it is **31.9025, 38.5956, 7.3826**.

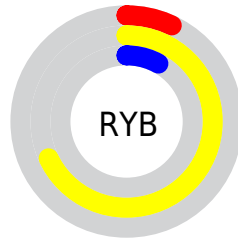
Distribution



Red (67%)

Green (68%)

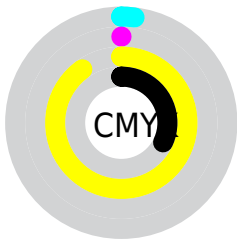
Blue (7%)



Red (7%)

Yellow (68%)

Blue (8%)

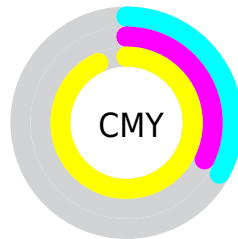


Cyan (2%)

Magenta (0%)

Yellow (90%)

Black (32%)



Cyan (33%)


Magenta (32%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6303, 38.4769, 6.3319 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 31.6303, 38.4769, 6.3319 by changing the saturation by 10% instead.


 31.6303, 38.4769,
6.3319


 31.6303, 38.4769,
6.3319


301.2070,
339.6613, 171.4054


 21.2335, 26.3530,
2.9759


 61.6002, 72.8385,
19.1054


 13.4082, 17.0879,
1.0823


 81.9039, 95.8451,
29.3600

 7.7892, 10.2972,
0.0000


 106.2407,
123.2479, 42.7512

 4.0110, 5.5965,
0.0000

 134.9758,
155.4316, 59.6976

 1.7084, 2.6013,
0.0000

 168.4746,
192.7803, 80.6177

 0.4615, 0.9273,
0.0000

 207.1025,

 0.0000, 0.0000,

235.6786, 105.9299

0.0000

251.2249,
284.5108, 136.0530

■ 31.6303, 38.4769,
6.3319

■ 31.6303, 38.4769,
6.3319

■ 31.4534, 38.3992,
5.7744

■ 31.9025, 38.5956,
7.3826

■ 31.4465, 38.3961,
5.7538

■ 32.3010, 38.7634,
9.1011

■ 32.8430, 38.9887,
11.5743

■ 33.5425, 39.2769,
14.8756

■ 34.4117, 39.6331,
19.0699

■ 35.4617, 40.0616,
24.2153

■ 36.7027, 40.5665,
30.3653

■ 38.1440, 41.1515,
37.5692

■ 39.7944, 41.8203,
45.8733

Harmonies

Analogous

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



42.6466, 38.4769, 6.4602



31.6303, 38.4769, 6.3319



23.7213, 38.4769, 11.7361

Triad

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



31.6303, 38.4769, 6.3319



23.4017, 38.4769, 99.8853



60.9321, 38.4769, 60.6765

Complementary

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



31.6303, 38.4769, 6.3319



8.0694, 3.6099, 39.8091

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.



53.3827, 38.4769, 102.0912



31.6303, 38.4769, 6.3319



31.1020, 38.4769, 131.3914

Square

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



31.6303, 38.4769, 6.3319



19.6571, 38.4769, 58.5560



42.0014, 38.4769, 132.3561



61.1528, 38.4769, 28.7380

Rectangle

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



31.6303, 38.4769, 6.3319



20.6432, 38.4769, 20.6601



42.0014, 38.4769, 132.3561



59.1086, 38.4769, 74.2089

Sweetspot

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



31.6312, 38.4787, 6.3327



63.9480, 71.9239, 45.5453



17.6047, 9.4500, 1.4689



13.7502, 15.5707, 9.1723



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.6312, 38.4787, 6.3327



56.2931, 68.7498, 10.3031



19.5603, 32.2559, 5.7678



8.6471, 9.3222, 8.5570



23.1066, 28.2090, 4.2270



0.6475, 0.7872, 0.1178

Inverse Universe

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



8.0694, 3.6099, 39.8091



13.5633, 5.4316, 71.1393



12.8066, 6.0520, 40.0308



7.5927, 7.7644, 10.0512



5.5779, 2.2354, 29.1820



0.1597, 0.0645, 0.8120

Previews

White Background



This preview shows how the XYZ color 31.6303, 38.4769, 6.3319 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 31.6303, 38.4769, 6.3319 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 31.6303, 38.4769, 6.3319

Background



This preview shows how black text looks on a background with the XYZ color 31.6303, 38.4769, 6.3319.



This preview shows how white text looks on a background with the XYZ color 31.6303, 38.4769,

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

31.6303, 38.4769, 6.3319

Protanopia

34.6513, 38.3662, 6.0693

Deuteranopia

39.0525, 38.2543, 6.6218



Tritanopia

39.5791, 38.4520, 44.8711

Trichromacy



Original Color

31.6303, 38.4769, 6.3319

Protanomaly

33.3452, 38.2402, 6.1539

Deuteranomaly

35.7893, 37.8711, 6.4008

Tritanomaly

35.0261, 37.6596, 22.2526

Monochromacy



Original Color

31.6303, 38.4769, 6.3319

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.7919, 33.9832, 18.3538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6303, 38.4769, 6.3319 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(170, 173, 18)` looks like.

```
.text, #text, p{  
    color:rgb(170, 173, 18)  
}
```

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(170, 173, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 173, 18) }
```

Border

The CSS property to change the border of an element to XYZ 31.6303, 38.4769, 6.3319 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(170, 173, 18) }
```


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

```
.border{ border-color:rgb(170, 173, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 173, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 173, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 173, 18);  
box-shadow:4px 4px 4px 4px rgb(170, 173,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6303, 38.4769, 6.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 173, 18) }
```

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

```
.background{ background-color: rgb(170,  
173, 18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor