

Converting Colors

XYZ(33.8172, 31.6973, 4.3358)

Have a look what the booklet for
XYZ(33.8172, 31.6973, 4.3358)
contains.

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Color

**XYZ(33.7604, 31.7635,
4.3516)**

Conversions

Conversions Part 1

Format	Color
Hex	C98E00
RGB	201, 142, 0
RGB Percent	79%, 56%, 0%
CMY	0.2118, 0.4431, 1.0000
CMYK	0.00, 0.29, 1.00, 0.21
HSL	42°, 100%, 39%
HSV	42°, 100%, 79%
XYZ	33.7604, 31.7635, 4.3516
YIQ	143.4530, 80.7460, -31.6540

Conversions

Conversions Part 2

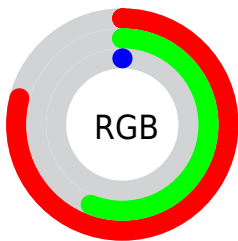
Format	Color
RYB	84, 201, 0
Decimal	13209088
CIELab	63.15, 12.95, 68.08
CIELCh	63, 69.301, 79.230
Yxy	31.7635, 0.4832, 0.4546
Android (android.graphics.Color)	4291399168 (0xFFC98E00)
YUV	143.4530, -70.7223, 50.4687
Hunter-Lab	56.3591, 8.2971, 34.8735

Details

The XYZ color **33.7604, 31.7635, 4.3516** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **12.1069, 7.3455, 56.0376**, and the grayscale version is **26.5429, 27.9252, 30.4105**.

A 20% lighter version of the original color is **61.9248, 60.7581, 14.5946**, and **14.8117, 13.3170, 1.7898** is the 20% darker color. If you saturate the color by 10%, you get **33.7606, 31.7641, 4.3517**, and if you desaturate by 10%, it is **34.7895, 33.6184, 5.3224**.

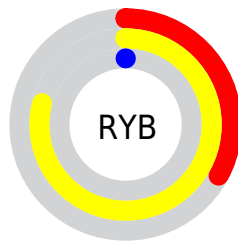
Distribution



Red (79%)

Green (56%)

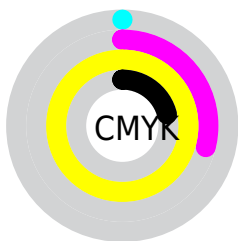
Blue (0%)



Red (33%)

Yellow (79%)

Blue (0%)

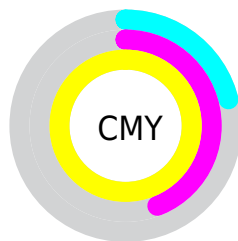


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7604, 31.7635, 4.3516 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 33.7604, 31.7635, 4.3516 by changing the saturation by 10% instead.

■ 33.7604, 31.7635,
4.3516

■ 33.7604, 31.7635,
4.3516

310.6671,
310.0405, 152.0567

■ 22.8716, 21.1809,
1.8201

■ 64.9077, 62.4401,
14.8129

■ 14.6189, 13.2563,
0.4412

■ 85.8969, 83.3030,
23.5798

■ 8.6369, 7.6053,
0.0000

■ 110.9835,
108.3614, 35.2622

■ 4.5603, 3.8434,
0.0000

■ 140.5331,
137.9998, 50.2787

■ 2.0238, 1.5864,
0.0000

■ 174.9109,
172.6025, 69.0479

■ 0.6473, 0.3484,
0.0000

■ 214.4822,

■ 0.0000, 0.0000,

212.5539, 91.9883

0.0000

■ 259.6125,
258.2384, 119.5184

■ 33.7604, 31.7635,
4.3516

■ 33.7604, 31.7635,
4.3516

■ 33.7606, 31.7641,
4.3517

■ 34.7895, 33.6184,
5.3224

■ 35.9973, 35.6189,
7.0042

■ 37.4307, 37.7863,
9.6389

■ 39.1148, 40.1315,
13.3539

■ 41.0706, 42.6641,
18.2570

■ 43.3166, 45.3924,
24.4429

■ 45.8696, 48.3242,
31.9965

■ 48.7449, 51.4666,
40.9957

■ 51.9567, 54.8263,
51.5121

Harmonies

Analogous

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



43.8692, 31.7635, 8.0599



33.7604, 31.7635, 4.3516



24.5268, 31.7635, 4.8766

Triad

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



33.7604, 31.7635, 4.3516



15.9373, 31.7635, 55.0048



46.3778, 31.7635, 81.6668

Complementary

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



33.7604, 31.7635, 4.3516



12.1069, 7.3455, 56.0376

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.



36.6646, 31.7635, 112.0070



33.7604, 31.7635, 4.3516



19.6989, 31.7635, 91.8070

Square

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



33.7604, 31.7635, 4.3516



15.4828, 31.7635, 25.6437



26.8811, 31.7635, 116.4691



52.1116, 31.7635, 45.3951

Rectangle

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



33.7604, 31.7635, 4.3516



19.9852, 31.7635, 7.7202



26.8811, 31.7635, 116.4691



43.3851, 31.7635, 93.5627

Sweetspot

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



33.7611, 31.7651, 4.3522



78.3367, 82.5155, 54.1815



24.9111, 12.7472, 5.4652



16.3553, 17.1945, 10.3599



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.7611, 31.7651, 4.3522



57.5921, 53.9642, 7.3807



35.5446, 49.3295, 7.6485



11.2508, 11.8708, 11.2611



21.3100, 20.1372, 2.7637



1.0695, 1.0745, 0.1510

Inverse Universe

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



12.1069, 7.3455, 56.0376



20.5557, 12.2315, 95.8852



11.4259, 4.6726, 55.5576



10.3062, 10.7864, 13.4563



7.6818, 4.7574, 35.2578



0.4276, 0.3531, 1.6908

Previews

White Background



This preview shows how the XYZ color 33.7604, 31.7635, 4.3516 looks on a white background.

Color Contrast Check

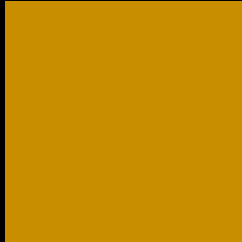
Large Text (above 18pt) WCAG AA × Fail

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 33.7604, 31.7635, 4.3516 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 33.7604, 31.7635, 4.3516

Background



This preview shows how black text looks on a background with the XYZ color 33.7604, 31.7635, 4.3516.



This preview shows how white text looks on a background with the XYZ color 33.7604, 31.7635,

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

33.7604, 31.7635, 4.3516

Protanopia

28.8555, 32.0220, 5.0078

Deuteranopia

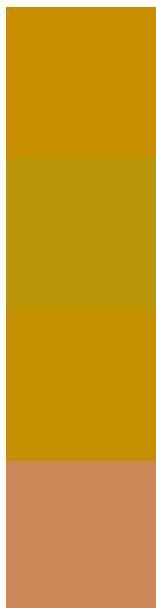
32.3735, 31.7201, 4.4163



Tritanopia

38.8659, 31.7209, 29.6655

Trichromacy



Original Color

33.7604, 31.7635, 4.3516

Protanomaly

30.4786, 31.8975, 4.7802

Deuteranomaly

32.9992, 31.8168, 4.4020

Tritanomaly

35.8265, 31.3256, 13.8311

Monochromacy



Original Color

33.7604, 31.7635, 4.3516

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.0206, 28.2928, 13.9344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7604, 31.7635, 4.3516 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(201, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 142, 0)  
}
```

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(201, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 142, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.7604, 31.7635, 4.3516 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(201, 142, 0) }
```


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

```
.border{ border-color:rgb(201, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 142,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7604, 31.7635, 4.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 142, 0) }
```

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

```
.background{ background-color: rgb(201,  
142, 0) }
```

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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