

Converting Colors

XYZ(33.6193, 31.7359, 4.7342)

Have a look what the booklet for
XYZ(33.6193, 31.7359, 4.7342)
contains.

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Color

**XYZ(33.5651, 31.6544,
4.7216)**

Conversions

Conversions Part 1

Format	Color
Hex	C88E0D
RGB	200, 142, 13
RGB Percent	78%, 56%, 5%
CMY	0.2157, 0.4431, 0.9490
CMYK	0.00, 0.29, 0.93, 0.22
HSL	41°, 88%, 42%
HSV	41°, 93%, 78%
XYZ	33.5651, 31.6544, 4.7216
YIQ	144.6360, 75.9770, -27.8230

Conversions

Conversions Part 2

Format	Color
R _Y B	97, 200, 13
Decimal	13143565
CIE Lab	63.06, 12.66, 66.04
CIE LCh	63, 67.241, 79.150
Yxy	31.6544, 0.4799, 0.4526
Android (android.graphics.Color)	4291333645 (0xFFC88E0D)
YUV	144.6360, -64.8965, 48.5542
Hunter-Lab	56.2622, 8.0311, 34.4079

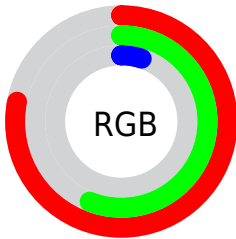
Details

The XYZ color **33.5651, 31.6544, 4.7216** 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 **12.8449, 8.7627, 55.6577**, and the grayscale version is **27.0003, 28.4065, 30.9346**.

A 20% lighter version of the original color is **62.0947, 60.8260, 15.4890**, and **14.8117, 13.3170, 1.7898** is the 20% darker color. If you saturate the color by 10%, you get **32.9036, 30.4478, 4.1428**, and if you desaturate by 10%, it is **34.7165, 33.6344, 6.1019**.

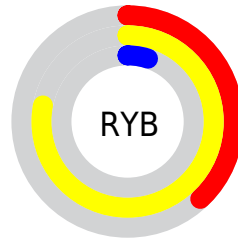
Distribution



Red (78%)

Green (56%)

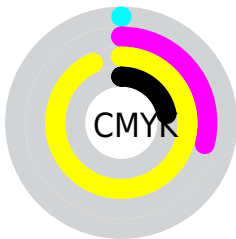
Blue (5%)



Red (38%)

Yellow (78%)

Blue (5%)

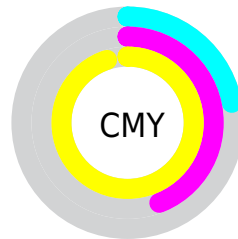


Cyan (0%)

Magenta (29%)

Yellow (93%)

Black (22%)



Cyan (22%)


Magenta (44%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5651, 31.6544, 4.7216 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 33.5651, 31.6544, 4.7216 by changing the saturation by 10% instead.

 33.5651, 31.6544,
4.7216


 33.5651, 31.6544,
4.7216


309.8086,
309.5419, 155.9368


 22.7210, 21.0977,
2.0290


 64.6056, 62.2689,
15.6425

 14.5072, 13.1954,
0.5730


 85.5327, 83.0955,
24.7078


 8.5583, 7.5632,
0.0000


 110.5515,
108.1141, 36.7345

 4.5090, 3.8168,
0.0000

 140.0274,
137.7092, 52.1411

 1.9939, 1.5716,
0.0000

 174.3257,
172.2651, 71.3460

 0.6306, 0.3383,
0.0000

 213.8117,

 0.0000, 0.0000,

212.1662, 94.7680

0.0000

258.8509,
257.7971, 122.8254

33.5651, 31.6544,
4.7216

33.5651, 31.6544,
4.7216

32.9036, 30.4478,
4.1428

34.7165, 33.6344,
6.1019

36.0857, 35.7836,
8.3743

37.6997, 38.1155,
11.6750

39.5807, 40.6402,
16.1163

41.7478, 43.3665,
21.7957

■ 44.2183, 46.3026,
28.8004

■ 47.0080, 49.4558,
37.2093

■ 50.1312, 52.8331,
47.0954

■ 53.6015, 56.4411,
58.5265

Harmonies

Analogous

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



43.3042, 31.6544, 8.4892



33.5651, 31.6544, 4.7216



24.6139, 31.6544, 5.2479

Triad

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



33.5651, 31.6544, 4.7216



16.2030, 31.6544, 54.0536



45.6700, 31.6544, 79.7523

Complementary

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



33.5651, 31.6544, 4.7216



12.8449, 8.7627, 55.6577

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.



36.3157, 31.6544, 108.5948



33.5651, 31.6544, 4.7216



19.8760, 31.6544, 89.2392

Square

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



33.5651, 31.6544, 4.7216



15.7653, 31.6544, 25.7290



26.8571, 31.6544, 112.7539



51.1877, 31.6544, 44.9866

Rectangle

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



33.5651, 31.6544, 4.7216



20.1844, 31.6544, 8.1129



26.8571, 31.6544, 112.7539



42.7905, 31.6544, 91.0850

Sweetspot

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



33.5658, 31.6560, 4.7222



78.9479, 82.9001, 56.9682



25.1403, 13.0382, 7.3607



16.4567, 17.2400, 10.8786



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.



33.5658, 31.6560, 4.7222



56.7483, 52.2766, 7.0994



36.3937, 49.4140, 8.0008



11.2357, 11.8405, 11.2560



21.0041, 19.5254, 2.6617



1.0569, 1.0491, 0.1468

Inverse Universe

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



12.8449, 8.7627, 55.6577



20.8523, 12.8245, 95.9841



11.7551, 5.0695, 55.0022



10.3206, 10.8152, 13.4611



7.7959, 4.9857, 35.2958



0.4344, 0.3666, 1.6930

Previews

White Background



This preview shows how the XYZ color 33.5651, 31.6544, 4.7216 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 33.5651, 31.6544, 4.7216 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 33.5651, 31.6544, 4.7216

Background



This preview shows how black text looks on a background with the XYZ color 33.5651, 31.6544, 4.7216.



This preview shows how white text looks on a background with the XYZ color 33.5651, 31.6544,

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

33.5651, 31.6544, 4.7216

Protanopia

28.7340, 31.7104, 5.1785

Deuteranopia

32.1506, 31.6014, 4.5775



Tritanopia

38.5873, 31.5773, 29.6524

Trichromacy



Original Color

33.5651, 31.6544, 4.7216

Protanomaly

30.3694, 31.5996, 4.9889

Deuteranomaly

32.7875, 31.7020, 4.6495

Tritanomaly

35.7716, 31.2719, 14.9772

Monochromacy



Original Color

33.5651, 31.6544, 4.7216

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.6480, 28.8089, 15.4127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5651, 31.6544, 4.7216 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(200, 142, 13)` looks like.

```
.text, #text, p{  
    color:rgb(200, 142, 13)  
}
```

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(200, 142, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 142, 13) }
```

Border

The CSS property to change the border of an element to XYZ 33.5651, 31.6544, 4.7216 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(200, 142, 13) }
```


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

```
.border{ border-color:rgb(200, 142, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 142, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 142, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 142, 13);  
box-shadow:4px 4px 4px 4px rgb(200, 142,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5651, 31.6544, 4.7216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 142, 13) }
```

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

```
.background{ background-color: rgb(200,  
142, 13) }
```

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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