

Converting Colors

XYZ(31.9725, 24.8693, 3.1151)

Have a look what the booklet for
XYZ(31.9725, 24.8693, 3.1151)
contains.

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Color

**XYZ(31.9789, 24.9242,
3.1254)**

Conversions

Conversions Part 1

Format	Color
Hex	D16F00
RGB	209, 111, 0
RGB Percent	82%, 44%, 0%
CMY	0.1804, 0.5647, 1.0000
CMYK	0.00, 0.47, 1.00, 0.18
HSL	32°, 100%, 41%
HSV	32°, 100%, 82%
XYZ	31.9789, 24.9242, 3.1254
YIQ	127.6480, 94.0390, -13.7450

Conversions

Conversions Part 2

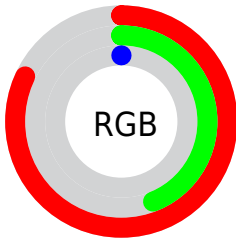
Format	Color
RYB	185, 209, 0
Decimal	13725440
CIELab	57.00, 33.10, 64.63
CIELCh	57, 72.610, 62.882
Yxy	24.9242, 0.5327, 0.4152
Android (android.graphics.Color)	4291915520 (0xFFD16F00)
YUV	127.6480, -62.9305, 71.3457
Hunter-Lab	49.9241, 26.9709, 31.2352

Details

The XYZ color **31.9789, 24.9242, 3.1254** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.8763, 13.3388, 62.0588**, and the grayscale version is **20.5851, 21.6571, 23.5846**.

A 20% lighter version of the original color is **55.5286, 48.2162, 11.6902**, and **13.8815, 9.6334, 1.1278** is the 20% darker color. If you saturate the color by 10%, you get **31.9790, 24.9247, 3.1255**, and if you desaturate by 10%, it is **33.2426, 27.2367, 4.2101**.

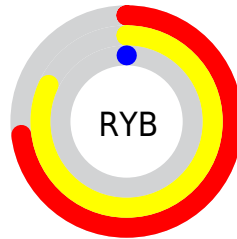
Distribution



Red (82%)

Green (44%)

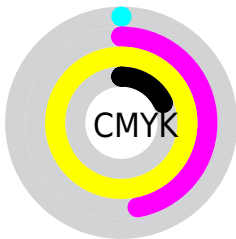
Blue (0%)



Red (73%)

Yellow (82%)

Blue (0%)

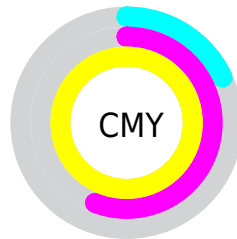


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9789, 24.9242, 3.1254 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 31.9789, 24.9242, 3.1254 by changing the saturation by 10% instead.


 31.9789, 24.9242,
3.1254


 31.9789, 24.9242,
3.1254


302.7701,
277.4602, 137.9421


 21.5009, 16.0206,
1.1590


 62.1434, 51.5342,
11.9363

 13.6051, 9.5387,
0.0000


 82.5606, 70.0094,
19.6180

 7.9264, 5.0942,
0.0000

 107.0216, 92.4440,
30.0418

 4.0993, 2.3026,
0.0000

 135.8916,
119.2222, 43.6263

 1.7585, 0.7751,
0.0000

 169.5362,
150.7286, 60.7900


 0.4925, 0.0000,
0.0000


 208.3205,


 0.0000, 0.0000,


187.3474, 81.9515


0.0000


 252.6100,
229.4632, 107.5294


 31.9789, 24.9242,
3.1254


 31.9789, 24.9242,
3.1254


 31.9790, 24.9247,
3.1255

 33.2426, 27.2367,
4.2101

 34.7722, 29.8479,
6.1010

 36.6207, 32.7857,
9.0580

 38.8182, 36.0674,
13.2229

 41.3904, 39.7082,
18.7152

■ 44.3600, 43.7224,
25.6399

■ 47.7479, 48.1229,
34.0916

■ 51.5729, 52.9219,
44.1564

■ 55.8530, 58.1310,
55.9140

Harmonies

Analogous

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



40.3032, 24.9242, 8.7917



31.9789, 24.9242, 3.1254



22.8747, 24.9242, 2.0663

Triad

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



31.9789, 24.9242, 3.1254



10.7956, 24.9242, 29.5689



33.7552, 24.9242, 88.7753

Complementary

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



31.9789, 24.9242, 3.1254



15.8763, 13.3388, 62.0588

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.



24.5239, 24.9242, 106.2630



31.9789, 24.9242, 3.1254



12.4139, 24.9242, 61.4573

Square

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



31.9789, 24.9242, 3.1254



11.8857, 24.9242, 10.8656



16.9731, 24.9242, 94.0815



41.4898, 24.9242, 54.6702

Rectangle

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



31.9789, 24.9242, 3.1254



17.8680, 24.9242, 2.7908



16.9731, 24.9242, 94.0815



30.6557, 24.9242, 97.4823

Sweetspot

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



31.9794, 24.9256, 3.1258



74.6918, 75.2257, 52.9665



28.6443, 14.4953, 13.6053



15.4867, 15.4572, 10.0704



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.



31.9794, 24.9256, 3.1258



49.9648, 38.7096, 4.8383



48.1196, 58.6531, 8.7852



12.3211, 12.8329, 12.4396



19.8171, 15.5672, 1.9603



1.1871, 1.0286, 0.1360

Inverse Universe

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



15.8763, 13.3388, 62.0588



24.7143, 20.5485, 97.2714



11.5523, 4.6261, 60.6050



11.6141, 12.3185, 15.0092



9.8856, 8.4177, 38.2963



0.6318, 0.6289, 2.1677

Previews

White Background



This preview shows how the XYZ color 31.9789, 24.9242, 3.1254 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9789, 24.9242, 3.1254 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 × Fail

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

XYZ 31.9789, 24.9242, 3.1254

Background



This preview shows how black text looks on a background with the XYZ color 31.9789, 24.9242, 3.1254.



This preview shows how white text looks on a background with the XYZ color 31.9789, 24.9242,

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

31.9789, 24.9242, 3.1254

Protanopia

22.7072, 25.1860, 4.1949

Deuteranopia

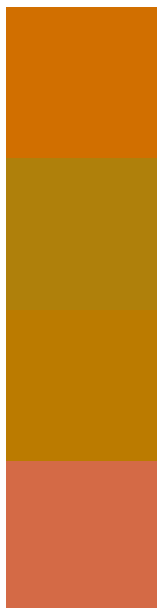
25.4382, 24.9639, 3.4778



Tritanopia

35.1053, 24.9724, 17.7218

Trichromacy



Original Color

31.9789, 24.9242, 3.1254

Protanomaly

25.4588, 24.5765, 3.7185

Deuteranomaly

27.5765, 24.7307, 3.3201

Tritanomaly

33.4109, 24.7473, 8.8101

Monochromacy



Original Color

31.9789, 24.9242, 3.1254

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.3494, 21.6812, 10.7915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9789, 24.9242, 3.1254 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(209, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 111, 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(209, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.9789, 24.9242, 3.1254 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(209, 111, 0) }
```


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

```
.border{ border-color:rgb(209, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 111,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9789, 24.9242, 3.1254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 111, 0) }
```

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

```
.background{ background-color: rgb(209,  
111, 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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