

Converting Colors

XYZ(31.1909, 21.3531, 2.4776)

Have a look what the booklet for
XYZ(31.1909, 21.3531, 2.4776)
contains.

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Color

**XYZ(31.3039, 21.4409,
2.4886)**

Conversions

Conversions Part 1

Format	Color
Hex	D65900
RGB	214, 89, 0
RGB Percent	84%, 35%, 0%
CMY	0.1608, 0.6509, 1.0000
CMYK	0.00, 0.58, 1.00, 0.16
HSL	25°, 100%, 42%
HSV	25°, 100%, 84%
XYZ	31.3039, 21.4409, 2.4886
YIQ	116.2290, 103.0690, -1.1790

Conversions

Conversions Part 2

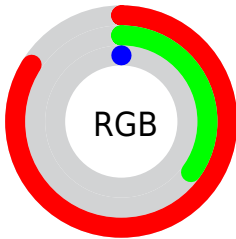
Format	Color
R_{YB}	214, 152, 0
Decimal	14047488
CIE _{Lab}	53.43, 46.03, 62.95
CIE _{LCh}	53, 77.983, 53.822
Yxy	21.4409, 0.5668, 0.3882
Android (android.graphics.Color)	4292237568 (0xFFD65900)
YUV	116.2290, -57.3009, 85.7452
Hunter-Lab	46.3043, 39.6418, 29.2265

Details

The XYZ color **31.3039, 21.4409, 2.4886** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **19.4706, 19.5211, 66.3594**, and the grayscale version is **16.8202, 17.6961, 19.2711**.

A 20% lighter version of the original color is **51.8102, 40.9649, 9.8789**, and **13.3635, 7.7814, 0.7976** is the 20% darker color. If you saturate the color by 10%, you get **31.3041, 21.4417, 2.4887**, and if you desaturate by 10%, it is **32.5735, 23.7579, 3.5982**.

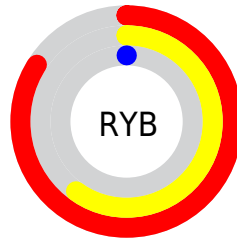
Distribution



Red (84%)

Green (35%)

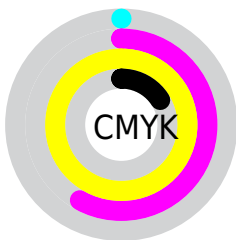
Blue (0%)



Red (84%)

Yellow (60%)

Blue (0%)

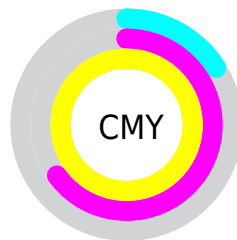


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3039, 21.4409, 2.4886 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 31.3039, 21.4409, 2.4886 by changing the saturation by 10% instead.


 31.3039, 21.4409,
2.4886


 31.3039, 21.4409,
2.4886


299.7379,
259.6124, 129.5540

 20.9833, 13.4467,
0.8341


 61.0908, 45.8202,
10.3381


 13.2242, 7.7368,
0.0000


 81.2879, 62.9740,
17.3759

 7.6612, 3.9270,
0.0000


 105.5078, 83.9498,
27.0471

 3.9289, 1.6328,
0.0000

 134.1159,
109.1320, 39.7704

 1.6620, 0.3796,
0.0000

 167.4777,
138.9050, 55.9642


 0.4323, 0.0000,
0.0000


 205.9583,


 0.0000, 0.0000,


173.6531, 76.0470


0.0000


 249.9233,
213.7608, 100.4374


 31.3039, 21.4409,
2.4886


 31.3039, 21.4409,
2.4886


 31.3041, 21.4417,
2.4887

 32.5735, 23.7579,
3.5982

 34.1818, 26.5052,
5.5811

 36.1883, 29.7200,
8.7102

 38.6285, 33.4284,
13.1371

 41.5334, 37.6537,
18.9898

■ 44.9304, 42.4176,
26.3810

■ 48.8448, 47.7402,
35.4118

■ 53.2996, 53.6405,
46.1744

■ 58.3167, 60.1364,
58.7544

Harmonies

Analogous

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



38.7032, 21.4409, 9.3410



31.3039, 21.4409, 2.4886



22.1420, 21.4409, 1.0210

Triad

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



31.3039, 21.4409, 2.4886



8.2892, 21.4409, 18.7714



27.5144, 21.4409, 94.9006

Complementary

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



31.3039, 21.4409, 2.4886



19.4706, 19.5211, 66.3594

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.



18.7120, 21.4409, 104.4284



31.3039, 21.4409, 2.4886



9.0031, 21.4409, 47.0475

Square

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



31.3039, 21.4409, 2.4886



10.0347, 21.4409, 5.4421



12.3471, 21.4409, 82.9349



36.1329, 21.4409, 61.9634

Rectangle

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



31.3039, 21.4409, 2.4886



16.8049, 21.4409, 1.1578



12.3471, 21.4409, 82.9349



24.4268, 21.4409, 101.5873

Sweetspot

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



31.3044, 21.4421, 2.4889



72.4513, 70.7446, 52.2197



31.6541, 15.8652, 21.9547



14.9586, 14.4010, 9.8943



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.



31.3044, 21.4421, 2.4889



46.4001, 31.5801, 3.6500



46.7129, 52.2591, 7.6251



12.8434, 13.2609, 13.0434



19.0189, 13.1551, 1.5368



1.2278, 0.9548, 0.1196

Inverse Universe

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



19.4706, 19.5211, 66.3594



28.7882, 28.6964, 98.6294



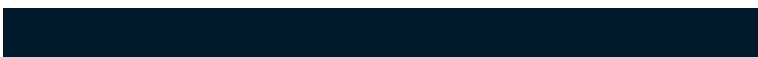
12.4132, 5.4063, 64.0070



12.3392, 13.2018, 15.8354



11.8735, 12.0088, 40.1453



0.7970, 0.8860, 2.4483

Previews

White Background



This preview shows how the XYZ color 31.3039, 21.4409, 2.4886 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 31.3039, 21.4409, 2.4886 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 31.3039, 21.4409, 2.4886

Background



This preview shows how black text looks on a background with the XYZ color 31.3039, 21.4409, 2.4886.



This preview shows how white text looks on a background with the XYZ color 31.3039, 21.4409,

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

31.3039, 21.4409, 2.4886

Protanopia

19.6627, 21.7744, 3.8760

Deuteranopia

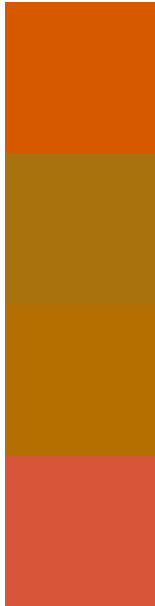
21.8598, 21.6004, 3.0172



Tritanopia

33.1736, 21.4900, 11.6321

Trichromacy



Original Color

31.3039, 21.4409, 2.4886

Protanomaly

22.6675, 20.6097, 3.1641

Deuteranomaly

24.6320, 20.9756, 2.7505

Tritanomaly

31.9866, 21.2296, 6.1532

Monochromacy



Original Color

31.3039, 21.4409, 2.4886

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.3390, 17.4779, 8.8329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3039, 21.4409, 2.4886 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(214, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 89, 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(214, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 89, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.3039, 21.4409, 2.4886 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(214, 89, 0) }
```


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

```
.border{ border-color:rgb(214, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(214, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.3039, 21.4409, 2.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 89, 0) }
```

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

```
.background{ background-color: rgb(214, 89,  
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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