

Converting Colors

XYZ(31.6303, 22.5419, 4.0363)

Have a look what the booklet for
XYZ(31.6303, 22.5419, 4.0363)
contains.

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Color

**XYZ(31.5950, 22.4671,
4.0378)**

Conversions

Conversions Part 1

Format	Color
Hex	D46020
RGB	212, 96, 32
RGB Percent	83%, 38%, 13%
CMY	0.1686, 0.6235, 0.8745
CMYK	0.00, 0.55, 0.85, 0.17
HSL	21°, 74%, 48%
HSV	21°, 85%, 83%
XYZ	31.5950, 22.4671, 4.0378
YIQ	123.3880, 89.6800, 4.6880

Conversions

Conversions Part 2

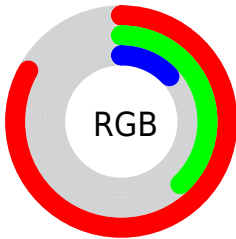
Format	Color
RYB	212, 131, 32
Decimal	13918240
CIELab	54.52, 42.40, 54.89
CIELCh	55, 69.359, 52.316
Yxy	22.4671, 0.5438, 0.3867
Android (android.graphics.Color)	4292108320 (0xFFD46020)
YUV	123.3880, -45.0543, 77.7127
Hunter-Lab	47.3995, 36.0334, 28.1289

Details

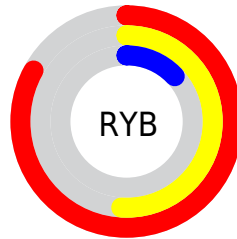
The XYZ color **31.5950, 22.4671, 4.0378** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **23.0682, 26.2384, 66.1357**, and the grayscale version is **19.0795, 20.0731, 21.8597**.

A 20% lighter version of the original color is **53.5488, 43.3794, 13.7344**, and **13.4784, 8.2854, 0.8889** is the 20% darker color. If you saturate the color by 10%, you get **30.2539, 20.1076, 2.5972**, and if you desaturate by 10%, it is **33.3387, 25.3364, 6.5258**.

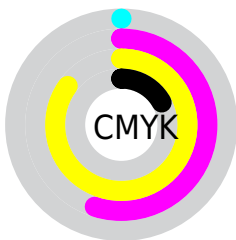
Distribution



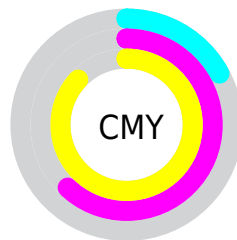
- Red (83%)
- Green (38%)
- Blue (13%)



- Red (83%)
- Yellow (51%)
- Blue (13%)



- Cyan (0%)
- Magenta (55%)
- Yellow (85%)
- Black (17%)





- Cyan (17%)
- Magenta (62%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5950, 22.4671, 4.0378 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 31.5950, 22.4671, 4.0378 by changing the saturation by 10% instead.


 31.5950, 22.4671,
4.0378

 31.5950, 22.4671,
4.0378


301.0484,
264.9760, 148.6446


 21.2064, 14.2005,
1.6461


 61.5451, 47.5168,
14.0968

 13.3883, 8.2603,
0.3234


 81.8373, 65.0687,
22.6013


 7.7753, 4.2619,
0.0000

 106.1615, 86.4845,
33.9804

 4.0021, 1.8211,
0.0000

 134.8829,
112.1487, 48.6526

 1.7033, 0.5003,
0.0000

 168.3669,
142.4455, 67.0367

 0.4583, 0.0000,
0.0000

 206.9790,

 0.0000, 0.0000,

177.7594, 89.5510

0.0000

251.0843,
218.4747, 116.6141

31.5950, 22.4671,
4.0378

31.5950, 22.4671,
4.0378

30.2539, 20.1076,
2.5972

33.3387, 25.3364,
6.5258

29.6935, 19.0815,
2.1181

35.5248, 28.7448,
10.2257

38.1887, 32.7231,
15.2738

41.3613, 37.2984,
21.7878

45.0706, 42.4956,
29.8723

■ 49.3423, 48.3384,
39.6222

■ 54.2005, 54.8488,
51.1248

■ 59.6676, 62.0481,
64.4615

■ 65.7648, 69.9562,
79.7083

Harmonies

Analogous

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



37.9331, 22.4671, 11.7610



31.5950, 22.4671, 4.0378



23.3692, 22.4671, 2.0090

Triad

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



31.5950, 22.4671, 4.0378



9.8965, 22.4671, 19.2809



27.3997, 22.4671, 87.2270

Complementary

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



31.5950, 22.4671, 4.0378



23.0682, 26.2384, 66.1357

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.



19.4587, 22.4671, 93.8273



31.5950, 22.4671, 4.0378



10.4848, 22.4671, 44.0512

Square

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



31.5950, 22.4671, 4.0378



11.7490, 22.4671, 6.7576



13.6067, 22.4671, 74.8027



35.1377, 22.4671, 60.0178

Rectangle

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



31.5950, 22.4671, 4.0378



18.3856, 22.4671, 2.1220



13.6067, 22.4671, 74.8027



24.6265, 22.4671, 92.3952

Sweetspot

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



31.5955, 22.4684, 4.0382



74.6976, 73.0847, 59.6044



33.0926, 17.2000, 30.0096



15.4762, 14.9469, 11.5757



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.



31.5955, 22.4684, 4.0382



44.9534, 28.6869, 3.1678



44.7609, 48.7991, 8.4266



12.7810, 13.1362, 13.0226



18.4175, 11.9523, 1.3363



1.1877, 0.8747, 0.1062

Inverse Universe

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



23.0682, 26.2384, 66.1357



31.3835, 33.8871, 99.4945



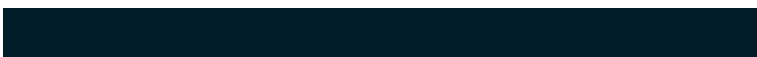
14.0433, 8.1886, 63.1274



12.4034, 13.3303, 15.8568



12.9228, 14.1074, 40.4950



0.8562, 1.0044, 2.4681

Previews

White Background



This preview shows how the XYZ color 31.5950, 22.4671, 4.0378 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 31.5950, 22.4671, 4.0378 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 31.5950, 22.4671, 4.0378

Background



This preview shows how black text looks on a background with the XYZ color 31.5950, 22.4671, 4.0378.



This preview shows how white text looks on a background with the XYZ color 31.5950, 22.4671,

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

31.5950, 22.4671, 4.0378

Protanopia

20.5492, 22.5957, 5.3762

Deuteranopia

22.8259, 22.4551, 3.6615



Tritanopia

33.4990, 22.4530, 13.6346

Trichromacy



Original Color

31.5950, 22.4671, 4.0378

Protanomaly

23.6229, 21.7547, 4.7877

Deuteranomaly

25.4535, 22.0376, 3.6712

Tritanomaly

32.4703, 22.2815, 8.8927

Monochromacy



Original Color

31.5950, 22.4671, 4.0378

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.2682, 19.5170, 12.3191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5950, 22.4671, 4.0378 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(212, 96, 32)` looks like.

```
.text, #text, p{  
    color:rgb(212, 96, 32)  
}
```

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(212, 96, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 96, 32) }
```

Border

The CSS property to change the border of an element to XYZ 31.5950, 22.4671, 4.0378 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(212, 96, 32) }
```


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

```
.border{ border-color:rgb(212, 96, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 96, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 96, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 96, 32);  
box-shadow:4px 4px 4px 4px rgb(212, 96,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5950, 22.4671, 4.0378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 96, 32) }
```

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

```
.background{ background-color: rgb(212, 96,  
32) }
```

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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