

Converting Colors

XYZ(31.5912, 21.9288, 2.5676)

Have a look what the booklet for
XYZ(31.5912, 21.9288, 2.5676)
contains.

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Color

**XYZ(31.5587, 21.9504,
2.5735)**

Conversions

Conversions Part 1

Format	Color
Hex	D65C00
RGB	214, 92, 0
RGB Percent	84%, 36%, 0%
CMY	0.1608, 0.6392, 1.0000
CMYK	0.00, 0.57, 1.00, 0.16
HSL	26°, 100%, 42%
HSV	26°, 100%, 84%
XYZ	31.5587, 21.9504, 2.5735
YIQ	117.9900, 102.2440, -2.7480

Conversions

Conversions Part 2

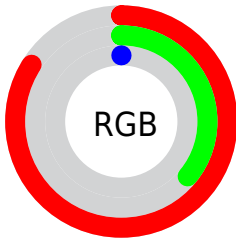
Format	Color
RYB	214, 161, 0
Decimal	14048256
CIELab	53.97, 44.62, 63.25
CIElCh	54, 77.401, 54.801
Yxy	21.9504, 0.5627, 0.3914
Android (android.graphics.Color)	4292238336 (0xFFD65C00)
YUV	117.9900, -58.1691, 84.2008
Hunter-Lab	46.8513, 38.2467, 29.5391

Details

The XYZ color **31.5587, 21.9504, 2.5735** 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 **19.0966, 18.7731, 66.2349**, and the grayscale version is **17.3718, 18.2765, 19.9031**.

A 20% lighter version of the original color is **52.2908, 41.8810, 10.1783**, and **13.4880, 8.0303, 0.8391** is the 20% darker color. If you saturate the color by 10%, you get **31.5589, 21.9512, 2.5737**, and if you desaturate by 10%, it is **32.8417, 24.2940, 3.6875**.

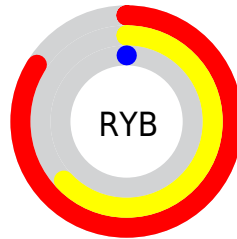
Distribution



Red (84%)

Green (36%)

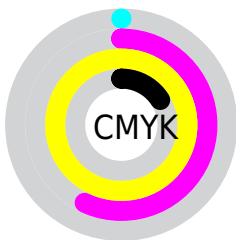
Blue (0%)



Red (84%)

Yellow (63%)

Blue (0%)

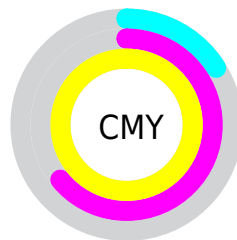


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5587, 21.9504, 2.5735 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 31.5587, 21.9504, 2.5735 by changing the saturation by 10% instead.


 31.5587, 21.9504,
2.5735


 31.5587, 21.9504,
2.5735


300.8852,
262.2871, 130.7280


 21.1786, 13.8205,
0.8787


 61.4885, 46.6640,
10.5565

 13.3678, 7.9959,
0.0000


 81.7689, 64.0165,
17.6844


 7.7610, 4.0923,
0.0000


 106.0800, 85.2119,
27.4612

 3.9929, 1.7253,
0.0000

 134.7874,
110.6346, 40.3054

 1.6981, 0.4400,
0.0000

 168.2562,
140.6692, 56.6357


 0.4551, 0.0000,
0.0000


 206.8518,


 0.0000, 0.0000,


175.6998, 76.8705


0.0000


 250.9397,
216.1110, 101.4285


 31.5587, 21.9504,
2.5735


 31.5587, 21.9504,
2.5735


 31.5589, 21.9512,
2.5737

 32.8417, 24.2940,
3.6875

 34.4561, 27.0537,
5.6725

 36.4610, 30.2654,
8.8011

 38.8913, 33.9539,
13.2246

 41.7774, 38.1416,
19.0711

■ 45.1462, 42.8491,
26.4529

■ 49.0225, 48.0956,
35.4710

■ 53.4290, 53.8992,
46.2175

■ 58.3870, 60.2770,
58.7778

Harmonies

Analogous

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



39.1042, 21.9504, 9.3315



31.5587, 21.9504, 2.5735



22.3528, 21.9504, 1.1251

Triad

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



31.5587, 21.9504, 2.5735



8.6071, 21.9504, 19.9696



28.3520, 21.9504, 94.6986

Complementary

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



31.5587, 21.9504, 2.5735



19.0966, 18.7731, 66.2349

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.



19.4413, 21.9504, 105.2150



31.5587, 21.9504, 2.5735



9.4155, 21.9504, 48.8546

Square

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



31.5587, 21.9504, 2.5735



10.2980, 21.9504, 5.9817



12.9068, 21.9504, 84.6400



36.9331, 21.9504, 61.4301

Rectangle

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



31.5587, 21.9504, 2.5735



17.0231, 21.9504, 1.3086



12.9068, 21.9504, 84.6400



25.2413, 21.9504, 101.6641

Sweetspot

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



31.5592, 21.9516, 2.5739



72.7174, 71.2769, 52.3084



31.4225, 15.7726, 20.7350



15.0210, 14.5260, 9.9152



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.



31.5592, 21.9516, 2.5739



46.7764, 32.3328, 3.7755



47.5089, 53.8510, 7.8904



12.8579, 13.2900, 13.0483



19.1744, 13.4660, 1.5886



1.2378, 0.9748, 0.1229

Inverse Universe

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



19.0966, 18.7731, 66.2349



28.2316, 27.5832, 98.4439



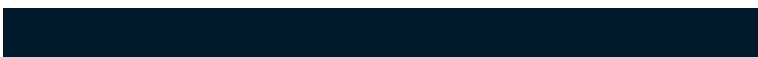
12.3512, 5.2824, 63.9865



12.3243, 13.1721, 15.8304



11.6478, 11.5573, 40.0700



0.7840, 0.8600, 2.4440

Previews

White Background



This preview shows how the XYZ color 31.5587, 21.9504, 2.5735 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 31.5587, 21.9504, 2.5735 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 31.5587, 21.9504, 2.5735

Background



This preview shows how black text looks on a background with the XYZ color 31.5587, 21.9504, 2.5735.



This preview shows how white text looks on a background with the XYZ color 31.5587, 21.9504,

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

31.5587, 21.9504, 2.5735

Protanopia

19.9630, 22.1268, 3.8806

Deuteranopia

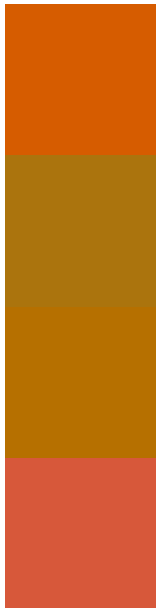
22.3928, 22.0584, 3.0775



Tritanopia

33.5350, 22.0098, 12.3784

Trichromacy



Original Color

31.5587, 21.9504, 2.5735

Protanomaly

23.1126, 21.1778, 3.2503

Deuteranomaly

25.0856, 21.5334, 2.8342

Tritanomaly

32.2778, 21.7320, 6.4965

Monochromacy



Original Color

31.5587, 21.9504, 2.5735

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.8755, 18.2176, 9.1254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5587, 21.9504, 2.5735 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, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 92, 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, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 92, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.5587, 21.9504, 2.5735 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, 92, 0) }
```


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

```
.border{ border-color:rgb(214, 92, 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, 92, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.5587, 21.9504, 2.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 92, 0) }
```

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

```
.background{ background-color: rgb(214, 92,  
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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