

Converting Colors

XYZ(29.2002, 21.4341, 2.5982)

Have a look what the booklet for
XYZ(29.2002, 21.4341, 2.5982)
contains.

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Color

**XYZ(29.1765, 21.3868,
2.5903)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6100
RGB	204, 97, 0
RGB Percent	80%, 38%, 0%
CMY	0.2000, 0.6196, 1.0000
CMYK	0.00, 0.52, 1.00, 0.20
HSL	29°, 100%, 40%
HSV	29°, 100%, 80%
XYZ	29.1765, 21.3868, 2.5903
YIQ	117.9350, 94.9090, -7.4830

Conversions

Conversions Part 2

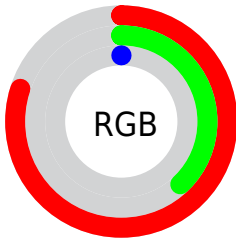
Format	Color
RYB	204, 185, 0
Decimal	13394176
CIELab	53.37, 38.28, 62.08
CIElCh	53, 72.935, 58.343
Yxy	21.3868, 0.5489, 0.4024
Android (android.graphics.Color)	4291584256 (0xFFCC6100)
YUV	117.9350, -58.1420, 75.4790
Hunter-Lab	46.2459, 31.6853, 29.0512

Details

The XYZ color **29.1765, 21.3868, 2.5903** 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 **16.1564, 14.8744, 59.1456**, and the grayscale version is **17.3560, 18.2599, 19.8850**.

A 20% lighter version of the original color is **52.9129, 43.1251, 10.3856**, and **12.1718, 7.7838, 0.8609** is the 20% darker color. If you saturate the color by 10%, you get **29.1767, 21.3874, 2.5904**, and if you desaturate by 10%, it is **30.3632, 23.5526, 3.6267**.

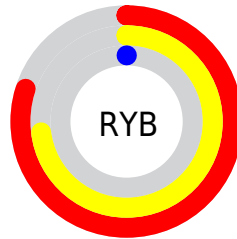
Distribution



Red (80%)

Green (38%)

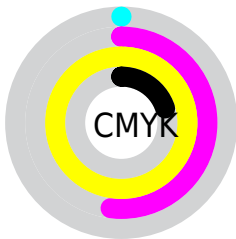
Blue (0%)



Red (80%)

Yellow (73%)

Blue (0%)

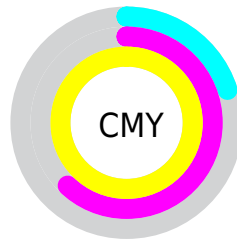


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1765, 21.3868, 2.5903 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 29.1765, 21.3868, 2.5903 by changing the saturation by 10% instead.


 29.1765, 21.3868,
2.5903


 29.1765, 21.3868,
2.5903


290.0260,
259.3270, 130.9581


 19.3593, 13.4070,
0.8874


 57.7530, 45.7304,
10.5995

 12.0358, 7.7094,
0.0000


 77.2431, 62.8630,
17.7450

 6.8404, 3.9096,
0.0000


 100.6881, 83.8154,
27.5425

 3.4079, 1.6231,
0.0000

 128.4536,
108.9719, 40.4104

 1.3730, 0.3731,
0.0000

 160.9047,
138.7169, 56.7674


 0.2369, 0.0000,
0.0000


 198.4069,


 0.0000, 0.0000,


173.4348, 77.0320


0.0000


 241.3256,
213.5101, 101.6227


 29.1765, 21.3868,
2.5903


 29.1765, 21.3868,
2.5903


 29.1767, 21.3874,
2.5904

 30.3632, 23.5526,
3.6267

 31.8248, 26.0487,
5.4306

 33.6136, 28.9047,
8.2515

 35.7592, 32.1397,
12.2230

 38.2871, 35.7707,
17.4582

■ 41.2201, 39.8136,
24.0565

■ 44.5789, 44.2828,
32.1071

■ 48.3825, 49.1923,
41.6917

■ 52.6488, 54.5552,
52.8858

Harmonies

Analogous

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



36.4310, 21.3868, 8.3520



29.1765, 21.3868, 2.5903



20.7607, 21.3868, 1.3861

Triad

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



29.1765, 21.3868, 2.5903



8.7894, 21.3868, 22.0763



28.2388, 21.3868, 84.5039

Complementary

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



29.1765, 21.3868, 2.5903



16.1564, 14.8744, 59.1456

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.



19.9004, 21.3868, 97.1003



29.1765, 21.3868, 2.5903



9.8451, 21.3868, 49.9315

Square

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



29.1765, 21.3868, 2.5903



10.1128, 21.3868, 7.3205



13.4774, 21.3868, 81.6281



35.8001, 21.3868, 53.5641

Rectangle

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



29.1765, 21.3868, 2.5903



15.9964, 21.3868, 1.7398



13.4774, 21.3868, 81.6281



25.3773, 21.3868, 91.6443

Sweetspot

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



29.1770, 21.3880, 2.5907



73.5953, 73.0327, 52.6010



27.6513, 13.9372, 15.6450



15.2276, 14.9391, 9.9840



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.



29.1770, 21.3880, 2.5907



48.1085, 34.9971, 4.2195



44.9131, 52.8603, 7.8360



11.6450, 12.0789, 11.7971



18.4563, 13.6455, 1.6611



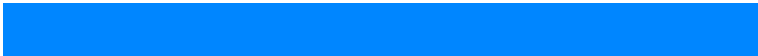
1.0280, 0.8556, 0.1110

Inverse Universe

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



16.1564, 14.8744, 59.1456



26.5397, 24.1995, 97.8799



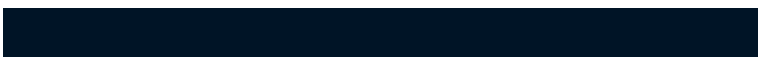
10.9729, 4.5074, 57.4178



11.0805, 11.8014, 14.2643



10.2628, 9.5496, 37.2586



0.6051, 0.6440, 1.9474

Previews

White Background



This preview shows how the XYZ color 29.1765, 21.3868, 2.5903 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 29.1765, 21.3868, 2.5903 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 29.1765, 21.3868, 2.5903

Background



This preview shows how black text looks on a background with the XYZ color 29.1765, 21.3868, 2.5903.



This preview shows how white text looks on a background with the XYZ color 29.1765, 21.3868,

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

29.1765, 21.3868, 2.5903

Protanopia

19.3300, 21.4113, 3.6863

Deuteranopia

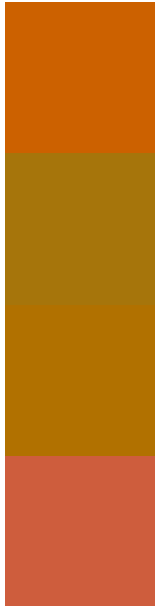
21.8598, 21.6004, 3.0172



Tritanopia

31.4996, 21.4223, 13.5410

Trichromacy



Original Color

29.1765, 21.3868, 2.5903

Protanomaly

22.1476, 20.8537, 3.1745

Deuteranomaly

24.0366, 21.1574, 2.8169

Tritanomaly

30.2103, 21.2874, 6.9315

Monochromacy



Original Color

29.1765, 21.3868, 2.5903

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.2404, 18.0494, 9.1264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1765, 21.3868, 2.5903 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(204, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 97, 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(204, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.1765, 21.3868, 2.5903 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(204, 97, 0) }
```


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

```
.border{ border-color:rgb(204, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.1765, 21.3868, 2.5903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 97, 0) }
```

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

```
.background{ background-color: rgb(204, 97,  
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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