

Converting Colors

XYZ(29.3172, 21.4827, 0.0452)

Have a look what the booklet for
XYZ(29.3172, 21.4827, 0.0452)
contains.

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Color

**XYZ(29.7283, 21.6712,
2.6161)**

Conversions

Conversions Part 1

Format	Color
Hex	CE6100
RGB	206, 97, 0
RGB Percent	81%, 38%, 0%
CMY	0.1922, 0.6196, 1.0000
CMYK	0.00, 0.53, 1.00, 0.19
HSL	28°, 100%, 40%
HSV	28°, 100%, 81%
XYZ	29.7283, 21.6712, 2.6161
YIQ	118.5330, 96.1010, -7.0590

Conversions

Conversions Part 2

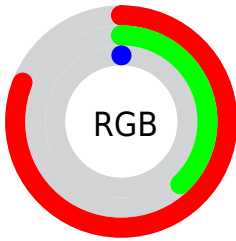
Format	Color
R _Y B	206, 183, 0
Decimal	13525248
CIE Lab	53.68, 39.07, 62.42
CIE LCh	54, 73.641, 57.955
Yxy	21.6712, 0.5504, 0.4012
Android (android.graphics.Color)	4291715328 (0xFFCE6100)
YUV	118.5330, -58.4368, 76.7086
Hunter-Lab	46.5523, 32.5234, 29.2547

Details

The XYZ color **29.7283, 21.6712, 2.6161** 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 **16.6089, 15.3930, 60.4878**, and the grayscale version is **17.5453, 18.4590, 20.1018**.

A 20% lighter version of the original color is **53.0718, 43.4429, 10.4386**, and **12.4786, 7.8833, 0.8639** is the 20% darker color. If you saturate the color by 10%, you get **29.7285, 21.6719, 2.6162**, and if you desaturate by 10%, it is **30.9378, 23.8798, 3.6691**.

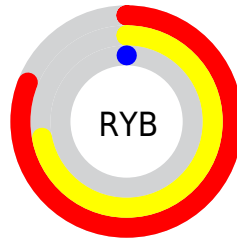
Distribution



Red (81%)

Green (38%)

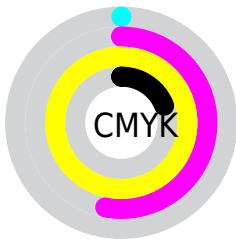
Blue (0%)



Red (81%)

Yellow (72%)

Blue (0%)

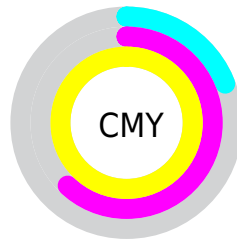


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7283, 21.6712, 2.6161 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 29.7283, 21.6712, 2.6161 by changing the saturation by 10% instead.

■ 29.7283, 21.6712,
2.6161

■ 29.7283, 21.6712,
2.6161

292.5685,
260.8244, 131.3100

■ 19.7795, 13.6155,
0.9007

■ 58.6218, 46.2020,
10.6655

■ 12.3422, 7.8537,
0.0000

■ 78.2972, 63.4458,
17.8379

■ 7.0510, 4.0015,
0.0000

■ 101.9456, 84.5212,
27.6670

■ 3.5406, 1.6744,
0.0000

■ 129.9322,
109.8124, 40.5712

■ 1.4457, 0.4070,
0.0000

■ 162.6225,
139.7040, 56.9691


■ 0.2884, 0.0000,
0.0000


■ 200.3817,


■ 0.0000, 0.0000,


174.5802, 77.2791


0.0000


 243.5753,
214.8256, 101.9199


 29.7283, 21.6712,
2.6161


 29.7283, 21.6712,
2.6161


 29.7285, 21.6719,
2.6162

 30.9378, 23.8798,
3.6691

 32.4310, 26.4308,
5.5090

 34.2611, 29.3544,
8.3896

 36.4586, 32.6706,
12.4482

 39.0498, 36.3970,
17.8004

■ 42.0582, 40.5502,
24.5483

■ 45.5050, 45.1453,
32.7832

■ 49.4099, 50.1966,
42.5889

■ 53.7912, 55.7178,
54.0427

Harmonies

Analogous

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



37.0896, 21.6712, 8.5398



29.7283, 21.6712, 2.6161



21.1432, 21.6712, 1.3718

Triad

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



29.7283, 21.6712, 2.6161



8.8631, 21.6712, 22.0816



28.5484, 21.6712, 86.4269

Complementary

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



29.7283, 21.6712, 2.6161



16.6089, 15.3930, 60.4878

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.



20.0619, 21.6712, 98.9533



29.7283, 21.6712, 2.6161



9.9036, 21.6712, 50.3438

Square

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



29.7283, 21.6712, 2.6161



10.2391, 21.6712, 7.2490



13.5591, 21.6712, 82.8000



36.2952, 21.6712, 54.9202

Rectangle

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



29.7283, 21.6712, 2.6161



16.2711, 21.6712, 1.7092



13.5591, 21.6712, 82.8000



25.6307, 21.6712, 93.6278

Sweetspot

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



29.7288, 21.6724, 2.6165



73.5055, 72.8530, 52.5711



28.2608, 14.2448, 15.9744



15.2064, 14.8968, 9.9770



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.



29.7288, 21.6724, 2.6165



47.9659, 34.7118, 4.1720



45.9074, 54.0297, 8.0093



11.6406, 12.0702, 11.7957



18.4015, 13.5360, 1.6428



1.0251, 0.8498, 0.1100

Inverse Universe

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



16.6089, 15.3930, 60.4878



26.7030, 24.5261, 97.9343



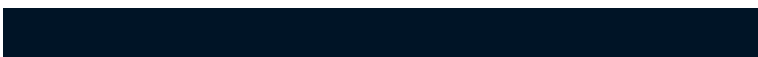
11.2151, 4.6054, 58.6899



11.0849, 11.8101, 14.2657



10.3251, 9.6741, 37.2794



0.6083, 0.6503, 1.9484

Previews

White Background



This preview shows how the XYZ color 29.7283, 21.6712, 2.6161 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 29.7283, 21.6712, 2.6161 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 29.7283, 21.6712, 2.6161

Background



This preview shows how black text looks on a background with the XYZ color 29.7283, 21.6712, 2.6161.



This preview shows how white text looks on a background with the XYZ color 29.7283, 21.6712,

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

29.7283, 21.6712, 2.6161

Protanopia

19.6449, 21.7673, 3.7822

Deuteranopia

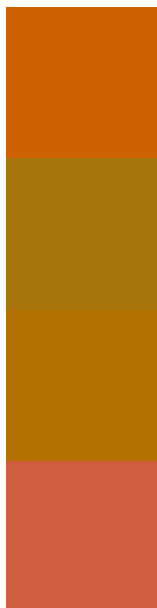
22.0638, 21.7056, 3.0267



Tritanopia

32.0620, 21.7122, 13.5673

Trichromacy



Original Color

29.7283, 21.6712, 2.6161

Protanomaly

22.3640, 20.9646, 3.2157

Deuteranomaly

24.4955, 21.3940, 2.8384

Tritanomaly

30.7691, 21.5755, 6.9577

Monochromacy



Original Color

29.7283, 21.6712, 2.6161

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.7514, 18.4700, 9.3615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7283, 21.6712, 2.6161 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(206, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.7283, 21.6712, 2.6161 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(206, 97, 0) }
```


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

```
.border{ border-color:rgb(206, 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(206, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.7283, 21.6712, 2.6161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 97, 0) }
```

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

```
.background{ background-color: rgb(206, 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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