

Converting Colors

XYZ(29.1084, 20.8423, 2.4888)

Have a look what the booklet for
XYZ(29.1084, 20.8423, 2.4888)
contains.

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Color

**XYZ(29.0912, 20.8078,
2.4830)**

Conversions

Conversions Part 1

Format	Color
Hex	CD5D00
RGB	205, 93, 0
RGB Percent	80%, 36%, 0%
CMY	0.1961, 0.6353, 1.0000
CMYK	0.00, 0.55, 1.00, 0.20
HSL	27°, 100%, 40%
HSV	27°, 100%, 80%
XYZ	29.0912, 20.8078, 2.4830
YIQ	115.8860, 96.6050, -5.1790

Conversions

Conversions Part 2

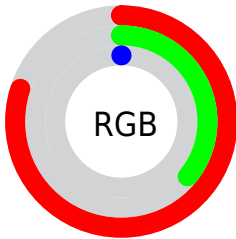
Format	Color
R _Y B	205, 170, 0
Decimal	13458688
CIE Lab	52.74, 40.67, 61.80
CIE LCh	53, 73.983, 56.649
Yxy	20.8078, 0.5554, 0.3972
Android (android.graphics.Color)	4291648768 (0xFFCD5D00)
YUV	115.8860, -57.1318, 78.1530
Hunter-Lab	45.6156, 34.0106, 28.7036

Details

The XYZ color **29.0912, 20.8078, 2.4830** 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 **16.8132, 15.9953, 59.9585**, and the grayscale version is **16.7152, 17.5856, 19.1508**.

A 20% lighter version of the original color is **52.4161, 42.1767, 10.0809**, and **12.1557, 7.4956, 0.8061** is the 20% darker color. If you saturate the color by 10%, you get **29.0914, 20.8086, 2.4832**, and if you desaturate by 10%, it is **30.2786, 22.9736, 3.5241**.

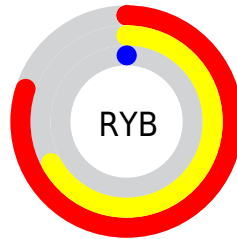
Distribution



Red (80%)

Green (36%)

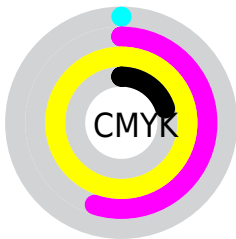
Blue (0%)



Red (80%)

Yellow (67%)

Blue (0%)

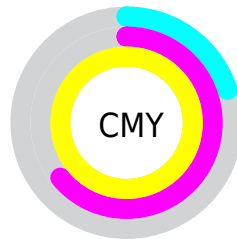


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0912, 20.8078, 2.4830 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 29.0912, 20.8078, 2.4830 by changing the saturation by 10% instead.


 29.0912, 20.8078,
2.4830


 29.0912, 20.8078,
2.4830


289.6315,
256.2553, 129.4759


 19.2945, 12.9836,
0.8311


 57.6185, 44.7674,
10.3236

 11.9885, 7.4172,
0.0000


 77.0798, 61.6717,
17.3554

 6.8080, 3.7244,
0.0000


 100.4933, 82.3713,
27.0197

 3.3876, 1.5206,
0.0000

 128.2243,
107.2508, 39.7348

 1.3619, 0.3032,
0.0000

 160.6383,
136.6946, 55.9195


 0.2288, 0.0000,
0.0000


 198.1006,


 0.0000, 0.0000,


171.0870, 75.9922


0.0000


 240.9765,
210.8124, 100.3715


 29.0912, 20.8078,
2.4830


 29.0912, 20.8078,
2.4830


 29.0914, 20.8086,
2.4832

 30.2786, 22.9736,
3.5241

 31.7541, 25.4934,
5.3453

 33.5711, 28.3984,
8.1984

 35.7603, 31.7093,
12.2191

 38.3481, 35.4446,
17.5221

■ 41.3582, 39.6215,
24.2080

■ 44.8120, 44.2559,
32.3674

■ 48.7295, 49.3628,
42.0833

■ 53.1291, 54.9564,
53.4320

Harmonies

Analogous

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



36.1933, 20.8078, 8.4567



29.0912, 20.8078, 2.4830



20.6558, 20.8078, 1.2122

Triad

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



29.0912, 20.8078, 2.4830



8.3678, 20.8078, 20.2656



27.1941, 20.8078, 85.6709

Complementary

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



29.0912, 20.8078, 2.4830



16.8132, 15.9953, 59.9585

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.



18.9238, 20.8078, 96.8917



29.0912, 20.8078, 2.4830



9.2712, 20.8078, 47.5125

Square

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



29.0912, 20.8078, 2.4830



9.8036, 20.8078, 6.4196



12.6993, 20.8078, 79.7915



34.9132, 20.8078, 54.9032

Rectangle

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



29.0912, 20.8078, 2.4830



15.8289, 20.8078, 1.4710



12.6993, 20.8078, 79.7915



24.3328, 20.8078, 92.4655

Sweetspot

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



29.0917, 20.8090, 2.4833



73.1725, 72.1870, 52.4601



28.1434, 14.1658, 16.8005



15.1280, 14.7399, 9.9508



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.



29.0917, 20.8090, 2.4833



47.4496, 33.6792, 3.9999



44.6358, 51.8972, 7.6647



11.6245, 12.0380, 11.7903



18.2030, 13.1390, 1.5767



1.0146, 0.8288, 0.1065

Inverse Universe

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



16.8132, 15.9953, 59.9585



27.3277, 25.7754, 98.1426



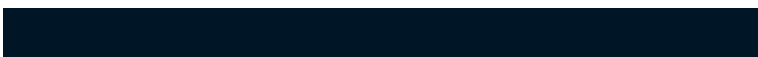
11.1307, 4.6304, 58.0643



11.1011, 11.8427, 14.2712



10.5629, 10.1498, 37.3587



0.6202, 0.6741, 1.9524

Previews

White Background



This preview shows how the XYZ color 29.0912, 20.8078, 2.4830 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 29.0912, 20.8078, 2.4830 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 29.0912, 20.8078, 2.4830

Background



This preview shows how black text looks on a background with the XYZ color 29.0912, 20.8078, 2.4830.



This preview shows how white text looks on a background with the XYZ color 29.0912, 20.8078,

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

29.0912, 20.8078, 2.4830

Protanopia

19.0346, 21.0654, 3.6789

Deuteranopia

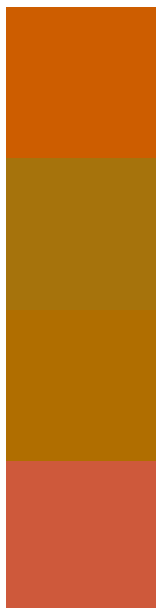
21.2137, 20.9065, 2.9173



Tritanopia

31.0721, 20.8545, 12.5129

Trichromacy



Original Color

29.0912, 20.8078, 2.4830

Protanomaly

21.9230, 20.3950, 3.1290

Deuteranomaly

23.4804, 20.3820, 2.6966

Tritanomaly

29.8154, 20.5823, 6.5390

Monochromacy



Original Color

29.0912, 20.8078, 2.4830

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.8113, 17.5154, 8.8679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0912, 20.8078, 2.4830 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(205, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 93, 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(205, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 93, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.0912, 20.8078, 2.4830 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(205, 93, 0) }
```


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

```
.border{ border-color:rgb(205, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(205, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.0912, 20.8078, 2.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 93, 0) }
```

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

```
.background{ background-color: rgb(205, 93,  
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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