

Converting Colors

XYZ(29.1248, 21.2836, 2.5731)

Have a look what the booklet for
XYZ(29.1248, 21.2836, 2.5731)
contains.

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Color

**XYZ(29.0847, 21.2031,
2.5597)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6000
RGB	204, 96, 0
RGB Percent	80%, 38%, 0%
CMY	0.2000, 0.6235, 1.0000
CMYK	0.00, 0.53, 1.00, 0.20
HSL	28°, 100%, 40%
HSV	28°, 100%, 80%
XYZ	29.0847, 21.2031, 2.5597
YIQ	117.3480, 95.1840, -6.9600

Conversions

Conversions Part 2

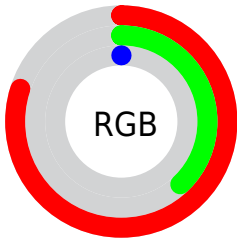
Format	Color
RYB	204, 181, 0
Decimal	13393920
CIELab	53.17, 38.78, 61.97
CIElCh	53, 73.103, 57.959
Yxy	21.2031, 0.5504, 0.4012
Android (android.graphics.Color)	4291584000 (0xFFCC6000)
YUV	117.3480, -57.8526, 75.9938
Hunter-Lab	46.0468, 32.1646, 28.9369

Details

The XYZ color **29.0847, 21.2031, 2.5597** 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 **16.2615, 15.0844, 59.1808**, and the grayscale version is **17.1710, 18.0653, 19.6731**.

A 20% lighter version of the original color is **52.7553, 42.8100, 10.3331**, and **12.0937, 7.6276, 0.8349** is the 20% darker color. If you saturate the color by 10%, you get **29.0848, 21.2037, 2.5598**, and if you desaturate by 10%, it is **30.2691, 23.3643, 3.5953**.

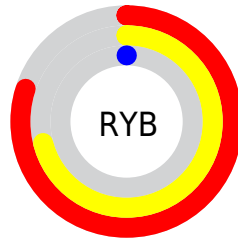
Distribution



Red (80%)

Green (38%)

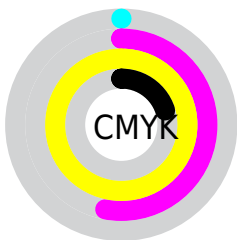
Blue (0%)



Red (80%)

Yellow (71%)

Blue (0%)

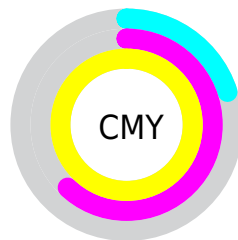


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0847, 21.2031, 2.5597 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 29.0847, 21.2031, 2.5597 by changing the saturation by 10% instead.


 29.0847, 21.2031,
2.5597


 29.0847, 21.2031,
2.5597


289.6014,
258.3559, 130.5385


 19.2895, 13.2725,
0.8715


 57.6083, 45.4253,
10.5211

 11.9849, 7.6165,
0.0000


 77.0673, 62.4857,
17.6345


 6.8055, 3.8505,
0.0000


 100.4784, 83.3583,
27.3942

 3.3860, 1.5903,
0.0000

 128.2069,
108.4273, 40.2189

 1.3610, 0.3511,
0.0000

 160.6180,
138.0771, 56.5272


 0.2282, 0.0000,
0.0000


 198.0773,


 0.0000, 0.0000,


172.6923, 76.7375


0.0000


 240.9499,
212.6570, 101.2684


 29.0847, 21.2031,
2.5597


 29.0847, 21.2031,
2.5597


 29.0848, 21.2037,
2.5598

 30.2691, 23.3643,
3.5953

 31.7306, 25.8603,
5.3993

 33.5217, 28.7208,
8.2209

 35.6720, 31.9652,
12.1940

 38.2073, 35.6109,
17.4317

■ 41.1504, 39.6739,
24.0334

■ 44.5221, 44.1690,
32.0884

■ 48.3416, 49.1103,
41.6783

■ 52.6269, 54.5111,
52.8788

Harmonies

Analogous

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



36.2869, 21.2031, 8.3547



29.0847, 21.2031, 2.5597



20.6856, 21.2031, 1.3425

Triad

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



29.0847, 21.2031, 2.5597



8.6721, 21.2031, 21.6071



27.9323, 21.2031, 84.5527

Complementary

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



29.0847, 21.2031, 2.5597



16.2615, 15.0844, 59.1808

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.



19.6295, 21.2031, 96.8106



29.0847, 21.2031, 2.5597



9.6903, 21.2031, 49.2585

Square

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



29.0847, 21.2031, 2.5597



10.0180, 21.2031, 7.0939



13.2671, 21.2031, 81.0104



35.5110, 21.2031, 53.7282

Rectangle

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



29.0847, 21.2031, 2.5597



15.9191, 21.2031, 1.6728



13.2671, 21.2031, 81.0104



25.0778, 21.2031, 91.5984

Sweetspot

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



29.0852, 21.2043, 2.5601



73.4999, 72.8419, 52.5692



27.6514, 13.9373, 15.6451



15.2051, 14.8942, 9.9765



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.



29.0852, 21.2043, 2.5601



47.9571, 34.6942, 4.1690



44.9132, 52.8604, 7.8361



11.6404, 12.0697, 11.7956



18.3981, 13.5292, 1.6417



1.0249, 0.8495, 0.1099

Inverse Universe

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



16.2615, 15.0844, 59.1808



26.7133, 24.5465, 97.9378



10.9729, 4.5074, 57.4179



11.0851, 11.8107, 14.2658



10.3290, 9.6819, 37.2807



0.6085, 0.6507, 1.9485

Previews

White Background



This preview shows how the XYZ color 29.0847, 21.2031, 2.5597 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 29.0847, 21.2031, 2.5597 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 29.0847, 21.2031, 2.5597

Background



This preview shows how black text looks on a background with the XYZ color 29.0847, 21.2031, 2.5597.



This preview shows how white text looks on a background with the XYZ color 29.0847, 21.2031,

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

29.0847, 21.2031, 2.5597

Protanopia

19.3300, 21.4113, 3.6863

Deuteranopia

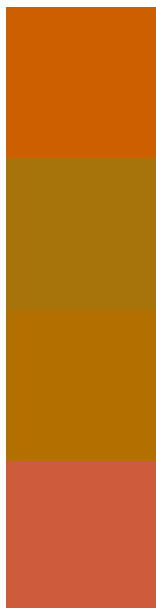
21.5353, 21.2518, 2.9670



Tritanopia

31.3701, 21.2364, 13.2721

Trichromacy



Original Color

29.0847, 21.2031, 2.5597

Protanomaly

22.0317, 20.6219, 3.1358

Deuteranomaly

23.9256, 20.9355, 2.7799

Tritanomaly

30.0964, 21.1023, 6.7619

Monochromacy



Original Color

29.0847, 21.2031, 2.5597

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.0991, 17.8213, 8.9118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0847, 21.2031, 2.5597 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, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 96, 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, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 96, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.0847, 21.2031, 2.5597 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, 96, 0) }
```


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

```
.border{ border-color:rgb(204, 96, 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, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.0847, 21.2031, 2.5597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 96, 0) }
```

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

```
.background{ background-color: rgb(204, 96,  
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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