

Converting Colors

XYZ(30.2737, 20.6954, 1.6042)

Have a look what the booklet for
XYZ(30.2737, 20.6954, 1.6042)
contains.

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Color

**XYZ(30.5596, 20.8134,
2.4067)**

Conversions

Conversions Part 1

Format	Color
Hex	D45700
RGB	212, 87, 0
RGB Percent	83%, 34%, 0%
CMY	0.1686, 0.6588, 1.0000
CMYK	0.00, 0.59, 1.00, 0.17
HSL	25°, 100%, 42%
HSV	25°, 100%, 83%
XYZ	30.5596, 20.8134, 2.4067
YIQ	114.4570, 102.4270, -0.5570

Conversions

Conversions Part 2

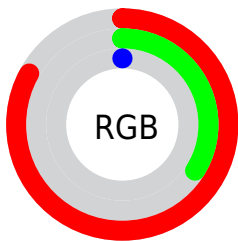
Format	Color
RYB	212, 148, 0
Decimal	13915904
CIELab	52.74, 46.22, 62.40
CIELCh	53, 77.653, 53.469
Yxy	20.8134, 0.5682, 0.3870
Android (android.graphics.Color)	4292105984 (0xFFD45700)
YUV	114.4570, -56.4273, 85.5452
Hunter-Lab	45.6217, 39.7299, 28.8074

Details

The XYZ color **30.5596, 20.8134, 2.4067** 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 **19.2167, 19.4196, 65.0225**, and the grayscale version is **16.2757, 17.1233, 18.6473**.

A 20% lighter version of the original color is **51.5153, 40.3750, 9.7806**, and **12.9383, 7.4773, 0.7613** is the 20% darker color. If you saturate the color by 10%, you get **30.5598, 20.8142, 2.4069**, and if you desaturate by 10%, it is **31.7985, 23.0719, 3.4968**.

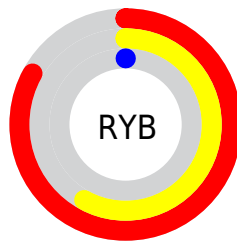
Distribution



Red (83%)

Green (34%)

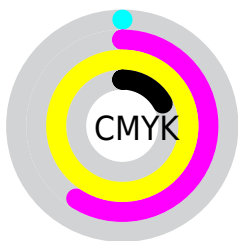
Blue (0%)



Red (83%)

Yellow (58%)

Blue (0%)

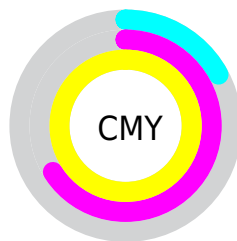


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5596, 20.8134, 2.4067 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 30.5596, 20.8134, 2.4067 by changing the saturation by 10% instead.


 30.5596, 20.8134,
2.4067


 30.5596, 20.8134,
2.4067


296.3675,
256.2852, 128.4028


 20.4139, 12.9877,
0.7901


 59.9266, 44.7768,
10.1255


 12.8063, 7.4201,
0.0000


 79.8786, 61.6832,
17.0751


 7.3714, 3.7262,
0.0000


 103.8301, 82.3853,
26.6428

 3.7438, 1.5216,
0.0000

 132.1465,
107.2675, 39.2473

 1.5582, 0.3039,
0.0000

 165.1931,
136.7142, 55.3069

 0.3650, 0.0000,
0.0000


 203.3352,


 0.0000, 0.0000,


171.1098, 75.2404


0.0000


 246.9382,
210.8386, 99.4662


 30.5596, 20.8134,
2.4067


 30.5596, 20.8134,
2.4067


 30.5598, 20.8142,
2.4069

 31.7985, 23.0719,
3.4968

 33.3713, 25.7568,
5.4413

 35.3366, 28.9051,
8.5084

 37.7295, 32.5425,
12.8463

 40.5804, 36.6926,
18.5802

■ 43.9163, 41.3767,
25.8202

■ 47.7620, 46.6149,
34.6650

■ 52.1404, 52.4261,
45.2050

■ 57.0728, 58.8283,
57.5238

Harmonies

Analogous

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



37.7528, 20.8134, 9.1491



30.5596, 20.8134, 2.4067



21.6047, 20.8134, 0.9641

Triad

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



30.5596, 20.8134, 2.4067



8.0046, 20.8134, 17.9644



26.6455, 20.8134, 92.9913

Complementary

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



30.5596, 20.8134, 2.4067



19.2167, 19.4196, 65.0225

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.



18.0658, 20.8134, 101.9691



30.5596, 20.8134, 2.4067



8.6709, 20.8134, 45.4325

Square

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



30.5596, 20.8134, 2.4067



9.7322, 20.8134, 5.1443



11.8937, 20.8134, 80.6017



35.0961, 20.8134, 60.8601

Rectangle

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



30.5596, 20.8134, 2.4067



16.3765, 20.8134, 1.0828



11.8937, 20.8134, 80.6017



23.6307, 20.8134, 99.4391

Sweetspot

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



30.5600, 20.8146, 2.4070



72.3471, 70.5362, 52.1849



30.9952, 15.5346, 21.5124



14.9341, 14.3521, 9.8862



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.



30.5600, 20.8146, 2.4070



46.2563, 31.2926, 3.6021



45.7384, 51.1714, 7.4665



12.8376, 13.2495, 13.0415



18.9594, 13.0361, 1.5169



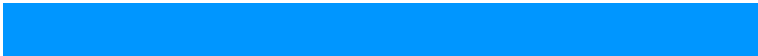
1.2239, 0.9471, 0.1183

Inverse Universe

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



19.2167, 19.4196, 65.0225



29.0118, 29.1437, 98.7039



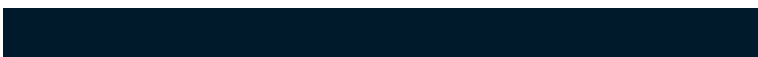
12.1556, 5.2973, 62.6688



12.3450, 13.2135, 15.8373



11.9642, 12.1901, 40.1755



0.8022, 0.8964, 2.4501

Previews

White Background



This preview shows how the XYZ color 30.5596, 20.8134, 2.4067 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 30.5596, 20.8134, 2.4067 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 30.5596, 20.8134, 2.4067

Background



This preview shows how black text looks on a background with the XYZ color 30.5596, 20.8134, 2.4067.



This preview shows how white text looks on a background with the XYZ color 30.5596, 20.8134,

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

30.5596, 20.8134, 2.4067

Protanopia

19.0524, 21.0725, 3.7727

Deuteranopia

21.2137, 20.9065, 2.9173



Tritanopia

32.3537, 20.8529, 11.1239

Trichromacy



Original Color

30.5596, 20.8134, 2.4067

Protanomaly

22.0153, 19.9422, 3.0697

Deuteranomaly

23.9530, 20.3088, 2.6575

Tritanomaly

31.2234, 20.6085, 5.9466

Monochromacy



Original Color

30.5596, 20.8134, 2.4067

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.7306, 16.8657, 8.5715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5596, 20.8134, 2.4067 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(212, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 87, 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(212, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 87, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.5596, 20.8134, 2.4067 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(212, 87, 0) }
```


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

```
.border{ border-color:rgb(212, 87, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 87, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.5596, 20.8134, 2.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 87, 0) }
```

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

```
.background{ background-color: rgb(212, 87,  
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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