

Converting Colors

XYZ(35.6217, 29.1355, 3.0696)

Have a look what the booklet for
XYZ(35.6217, 29.1355, 3.0696)
contains.

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Color

**XYZ(35.8229, 29.1670,
3.7417)**

Conversions

Conversions Part 1

Format	Color
Hex	D97C00
RGB	217, 124, 0
RGB Percent	85%, 49%, 0%
CMY	0.1490, 0.5137, 1.0000
CMYK	0.00, 0.43, 1.00, 0.15
HSL	34°, 100%, 43%
HSV	34°, 100%, 85%
XYZ	35.8229, 29.1670, 3.7417
YIQ	137.6710, 95.2320, -18.8480

Conversions

Conversions Part 2

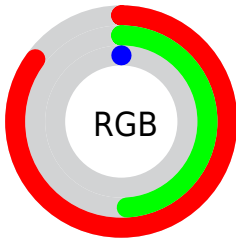
Format	Color
R_{YB}	163, 217, 0
Decimal	14253056
CIE _{Lab}	60.93, 29.58, 67.61
CIE _{LCh}	61, 73.800, 66.371
Yxy	29.1670, 0.5212, 0.4244
Android (android.graphics.Color)	4292443136 (0xFFD97C00)
YUV	137.6710, -67.8718, 69.5715
Hunter-Lab	54.0065, 23.8890, 33.6968

Details

The XYZ color **35.8229, 29.1670, 3.7417** 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 **16.4388, 12.8386, 67.2567**, and the grayscale version is **24.2582, 25.5215, 27.7929**.

A 20% lighter version of the original color is **58.0676, 53.1465, 12.9922**, and **15.9663, 11.8661, 1.4489** is the 20% darker color. If you saturate the color by 10%, you get **35.8231, 29.1677, 3.7418**, and if you desaturate by 10%, it is **37.1865, 31.6674, 4.8968**.

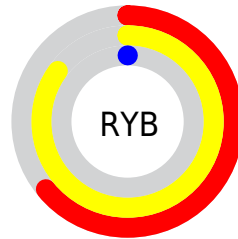
Distribution



Red (85%)

Green (49%)

Blue (0%)



Red (64%)

Yellow (85%)

Blue (0%)

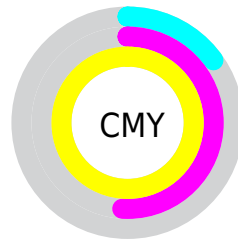


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8229, 29.1670, 3.7417 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 35.8229, 29.1670, 3.7417 by changing the saturation by 10% instead.


 35.8229, 29.1670,
3.7417


 35.8229, 29.1670,
3.7417


319.6306,
298.0021, 145.3096


 24.4669, 19.2072,
1.4847


 68.0843, 58.3423,
13.4095

 15.8070, 11.8201,
0.2065


 89.7204, 78.3266,
21.6575

 9.4776, 6.6213,
0.0000


 115.5140,
102.4212, 32.7395

 5.1136, 3.2264,
0.0000

 145.8303,
131.0104, 47.0741

 2.3495, 1.2510,
0.0000

 181.0348,
164.4787, 65.0799


 0.8198, 0.1028,
0.0000


 221.4927,


 0.0000, 0.0000,


203.2105, 87.1754


0.0000


 267.5695,
247.5902, 113.7791

 35.8229, 29.1670,
3.7417


 35.8229, 29.1670,
3.7417


 35.8231, 29.1677,
3.7418

 37.1865, 31.6674,
4.8968

 38.8220, 34.4558,
6.9294

 40.7852, 37.5603,
10.1177

 43.1082, 40.9980,
14.6170

 45.8184, 44.7841,
20.5587

■ 48.9400, 48.9324,
28.0577

■ 52.4949, 53.4554,
37.2172

■ 56.5032, 58.3651,
48.1316

■ 60.9837, 63.6727,
60.8880

Harmonies

Analogous

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



45.4570, 29.1670, 9.5533



35.8229, 29.1670, 3.7417



25.7186, 29.1670, 2.8369

Triad

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



35.8229, 29.1670, 3.7417



13.0956, 29.1670, 38.0112



40.2116, 29.1670, 96.4217

Complementary

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



35.8229, 29.1670, 3.7417



16.4388, 12.8386, 67.2567

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.



29.8275, 29.1670, 118.9450



35.8229, 29.1670, 3.7417



15.3296, 29.1670, 74.7081

Square

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



35.8229, 29.1670, 3.7417



13.9870, 29.1670, 14.8966



20.9455, 29.1670, 109.2895



48.3735, 29.1670, 58.0963

Rectangle

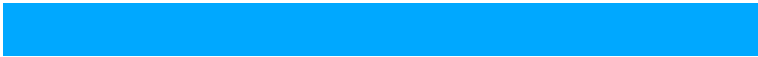
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8229, 29.1670, 3.7417



20.2865, 29.1670, 4.0053



20.9455, 29.1670, 109.2895



36.7838, 29.1670, 106.8638

Sweetspot

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



35.8235, 29.1686, 3.7422



75.5048, 76.8516, 53.2375



30.6372, 15.5606, 11.9872



15.6794, 15.8428, 10.1346



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.



35.8235, 29.1686, 3.7422



51.4755, 41.7311, 5.3418



49.3143, 62.2563, 9.4178



13.6706, 14.2806, 13.7615



21.7924, 17.8704, 2.3007



1.4967, 1.3275, 0.1774

Inverse Universe

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



16.4388, 12.8386, 67.2567



23.5487, 18.2174, 96.8829



12.7129, 5.1071, 65.9608



12.7952, 13.5302, 16.5893



10.0512, 7.9719, 40.7474



0.7356, 0.6852, 2.6679

Previews

White Background



This preview shows how the XYZ color 35.8229, 29.1670, 3.7417 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 35.8229, 29.1670, 3.7417 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 35.8229, 29.1670, 3.7417

Background



This preview shows how black text looks on a background with the XYZ color 35.8229, 29.1670, 3.7417.



This preview shows how white text looks on a background with the XYZ color 35.8229, 29.1670,

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

35.8229, 29.1670, 3.7417

Protanopia

26.4170, 29.3273, 4.7987

Deuteranopia

29.6278, 29.1953, 4.0737



Tritanopia

39.5876, 29.0889, 22.5970

Trichromacy



Original Color

35.8229, 29.1670, 3.7417

Protanomaly

29.3006, 28.8037, 4.3320

Deuteranomaly

31.5511, 28.9205, 3.9193

Tritanomaly

37.4049, 28.7370, 10.9725

Monochromacy



Original Color

35.8229, 29.1670, 3.7417

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.0853, 25.6951, 12.8173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8229, 29.1670, 3.7417 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(217, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 124, 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(217, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8229, 29.1670, 3.7417 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(217, 124, 0) }
```


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

```
.border{ border-color:rgb(217, 124, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 124, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 124,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8229, 29.1670, 3.7417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 124, 0) }
```

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

```
.background{ background-color: rgb(217,  
124, 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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