

Converting Colors

XYZ(35.7129, 28.1233, 4.0031)

Have a look what the booklet for
XYZ(35.7129, 28.1233, 4.0031)
contains.

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Color

**XYZ(35.8965, 28.2882,
4.0202)**

Conversions

Conversions Part 1

Format	Color
Hex	DB770F
RGB	219, 119, 15
RGB Percent	86%, 47%, 6%
CMY	0.1412, 0.5333, 0.9411
CMYK	0.00, 0.46, 0.93, 0.14
HSL	31°, 87%, 46%
HSV	31°, 93%, 86%
XYZ	35.8965, 28.2882, 4.0202
YIQ	137.0440, 92.9840, -11.1440

Conversions

Conversions Part 2

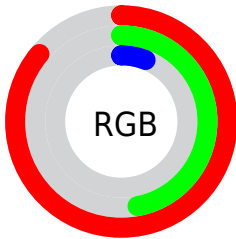
Format	Color
R_{YB}	211, 219, 15
Decimal	14382863
CIE _{Lab}	60.15, 33.19, 64.69
CIE _{LCh}	60, 72.710, 62.839
Yxy	28.2882, 0.5263, 0.4148
Android (android.graphics.Color)	4292572943 (0xFFDB770F)
YUV	137.0440, -60.1677, 71.8754
Hunter-Lab	53.1867, 27.3958, 32.7491

Details

The XYZ color **35.8965, 28.2882, 4.0202** 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 **19.1140, 17.4776, 69.3835**, and the grayscale version is **23.9914, 25.2409, 27.4873**.

A 20% lighter version of the original color is **57.2625, 51.2730, 13.5352**, and **16.0327, 11.4243, 1.3601** is the 20% darker color. If you saturate the color by 10%, you get **34.9689, 26.5713, 3.2857**, and if you desaturate by 10%, it is **37.4940, 31.0896, 5.7674**.

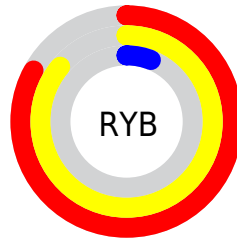
Distribution



Red (86%)

Green (47%)

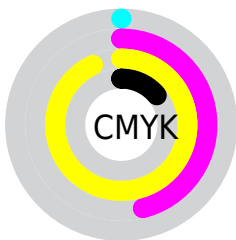
Blue (6%)



Red (83%)

Yellow (86%)

Blue (6%)

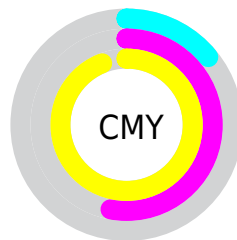


Cyan (0%)

Magenta (46%)

Yellow (93%)

Black (14%)



Cyan (14%)


Magenta (53%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8965, 28.2882, 4.0202 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 35.8965, 28.2882, 4.0202 by changing the saturation by 10% instead.


 35.8965, 28.2882,
4.0202


 35.8965, 28.2882,
4.0202


319.9471,
293.8415, 148.4496


 24.5240, 18.5430,
1.6364


 68.1972, 56.9442,
14.0563

 15.8496, 11.3405,
0.3166


 89.8561, 76.6239,
22.5458


 9.5080, 6.2964,
0.0000


 115.6746,
100.3838, 33.9075

 5.1337, 3.0261,
0.0000

 146.0179,
128.6084, 48.5601

 2.3615, 1.1454,
0.0000

 181.2514,
161.6821, 66.9220


 0.8259, 0.0164,
0.0000


 221.7406,


 0.0000, 0.0000,


199.9892, 89.4119


0.0000


 267.8507,
243.9142, 116.4483


 35.8965, 28.2882,
4.0202


 35.8965, 28.2882,
4.0202


 34.9689, 26.5713,
3.2857

 37.4940, 31.0896,
5.7674

 39.4455, 34.2695,
8.6472

 41.7881, 37.8510,
12.8307

 44.5526, 41.8531,
18.4591

 47.7660, 46.2931,
25.6553

■ 51.4527, 51.1869,
34.5287

■ 55.6352, 56.5494,
45.1788

■ 60.3342, 62.3948,
57.6974

■ 65.5692, 68.7365,
72.1697

Harmonies

Analogous

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



44.8678, 28.2882, 10.5501



35.8965, 28.2882, 4.0202



26.0117, 28.2882, 2.7485

Triad

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



35.8965, 28.2882, 4.0202



12.6979, 28.2882, 33.4061



37.7875, 28.2882, 96.9070

Complementary

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



35.8965, 28.2882, 4.0202



19.1140, 17.4776, 69.3835

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.



27.7819, 28.2882, 115.3962



35.8965, 28.2882, 4.0202



14.4950, 28.2882, 67.7205

Square

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



35.8965, 28.2882, 4.0202



13.9166, 28.2882, 12.8487



19.5274, 28.2882, 102.4522



46.1246, 28.2882, 60.5648

Rectangle

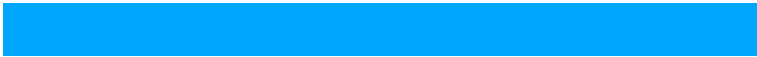
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8965, 28.2882, 4.0202



20.5307, 28.2882, 3.6150



19.5274, 28.2882, 102.4522



34.4361, 28.2882, 106.1292

Sweetspot

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



35.8971, 28.2897, 4.0207



75.4434, 75.8909, 55.8000



32.5952, 16.6863, 18.3335



15.6131, 15.5528, 10.5974



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.



35.8971, 28.2897, 4.0207



49.2232, 37.2264, 4.5911



54.6308, 65.7572, 10.2653



13.6021, 14.1435, 13.7386



20.8451, 15.9757, 1.9850



1.4366, 1.2074, 0.1573

Inverse Universe

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



19.1140, 17.4776, 69.3835



25.3831, 21.8862, 97.4944



13.1542, 5.5579, 67.3969



12.8630, 13.6658, 16.6119



10.8299, 9.5292, 41.0069



0.7877, 0.7896, 2.6853

Previews

White Background



This preview shows how the XYZ color 35.8965, 28.2882, 4.0202 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 35.8965, 28.2882, 4.0202 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 35.8965, 28.2882, 4.0202

Background



This preview shows how black text looks on a background with the XYZ color 35.8965, 28.2882, 4.0202.



This preview shows how white text looks on a background with the XYZ color 35.8965, 28.2882,

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

35.8965, 28.2882, 4.0202

Protanopia

25.7536, 28.5162, 5.0110

Deuteranopia

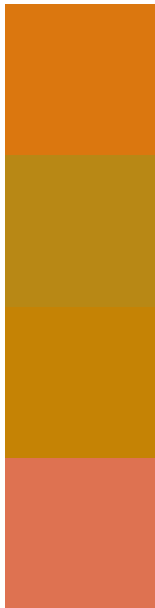
28.8556, 28.3673, 3.9546



Tritanopia

39.4456, 28.3888, 20.8533

Trichromacy



Original Color

35.8965, 28.2882, 4.0202

Protanomaly

28.7067, 27.8528, 4.5726

Deuteranomaly

31.1697, 28.1139, 3.9273

Tritanomaly

37.6267, 28.1583, 11.2365

Monochromacy



Original Color

35.8965, 28.2882, 4.0202

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.8948, 24.9711, 13.8110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8965, 28.2882, 4.0202 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(219, 119, 15)` looks like.

```
.text, #text, p{  
    color:rgb(219, 119, 15)  
}
```

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(219, 119, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 119, 15) }
```

Border

The CSS property to change the border of an element to XYZ 35.8965, 28.2882, 4.0202 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(219, 119, 15) }
```


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

```
.border{ border-color:rgb(219, 119, 15) }
```

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

Here you see how a box with a 4 pixel rgb(219, 119, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 119, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 119, 15);  
box-shadow:4px 4px 4px 4px rgb(219, 119,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8965, 28.2882, 4.0202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 119, 15) }
```

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

```
.background{ background-color: rgb(219,  
119, 15) }
```

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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