

Converting Colors

XYZ(35.8277, 29.7420, 4.2401)

Have a look what the booklet for
XYZ(35.8277, 29.7420, 4.2401)
contains.

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Color

**XYZ(35.6863, 29.6549,
4.2239)**

Conversions

Conversions Part 1

Format	Color
Hex	D77F0D
RGB	215, 127, 13
RGB Percent	84%, 50%, 5%
CMY	0.1569, 0.5019, 0.9490
CMYK	0.00, 0.41, 0.94, 0.16
HSL	34°, 89%, 45%
HSV	34°, 94%, 84%
XYZ	35.6863, 29.6549, 4.2239
YIQ	140.3160, 89.0420, -16.7980

Conversions

Conversions Part 2

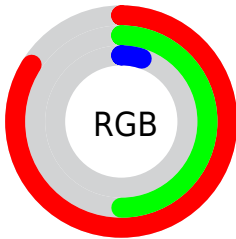
Format	Color
RYB	169, 215, 13
Decimal	14122765
CIELab	61.36, 27.28, 65.67
CIElCh	61, 71.109, 67.439
Yxy	29.6549, 0.5130, 0.4263
Android (android.graphics.Color)	4292312845 (0xFFD77F0D)
YUV	140.3160, -62.7668, 65.4979
Hunter-Lab	54.4563, 21.6760, 33.5206

Details

The XYZ color **35.6863, 29.6549, 4.2239** 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 **17.0855, 14.2994, 66.1488**, and the grayscale version is **25.2641, 26.5798, 28.9454**.

A 20% lighter version of the original color is **58.8313, 54.4105, 14.0581**, and **15.9803, 12.1778, 1.5083** is the 20% darker color. If you saturate the color by 10%, you get **34.9027, 28.2044, 3.6044**, and if you desaturate by 10%, it is **37.1769, 32.2788, 5.8231**.

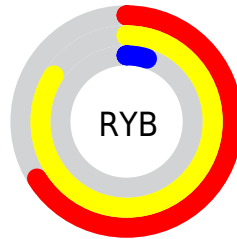
Distribution



Red (84%)

Green (50%)

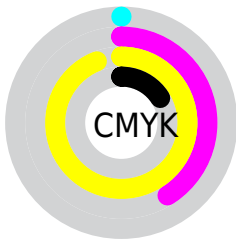
Blue (5%)



Red (66%)

Yellow (84%)

Blue (5%)

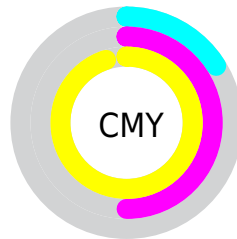


Cyan (0%)

Magenta (41%)

Yellow (94%)

Black (16%)



Cyan (16%)


Magenta (50%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6863, 29.6549, 4.2239 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 35.6863, 29.6549, 4.2239 by changing the saturation by 10% instead.


 35.6863, 29.6549,
4.2239


 35.6863, 29.6549,
4.2239


319.0425,
300.2925, 150.6824


 24.3610, 19.5768,
1.7490


 67.8746, 59.1160,
14.5229

 15.7278, 12.0878,
0.3940


 89.4684, 79.2678,
23.1841

 9.4214, 6.8035,
0.0000


 115.2157,
103.5462, 34.7444

 5.0763, 3.3395,
0.0000

 145.4819,
132.3358, 49.6225

 2.3273, 1.3114,
0.0000

 180.6323,
166.0208, 68.2368

 0.8086, 0.1500,
0.0000

 221.0323,

 0.0000, 0.0000,

204.9856, 91.0058

0.0000

267.0473,
249.6148, 118.3482

35.6863, 29.6549,
4.2239

35.6863, 29.6549,
4.2239

34.9027, 28.2044,
3.6044

37.1769, 32.2788,
5.8231

38.9767, 35.2098,
8.4844

41.1203, 38.4674,
12.3734

43.6364, 42.0675,
17.6265

46.5496, 46.0242,
24.3616

■ 49.8824, 50.3506,
32.6840

■ 53.6551, 55.0588,
42.6890

■ 57.8869, 60.1602,
54.4645

■ 62.5953, 65.6656,
68.0922

Harmonies

Analogous

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



45.0660, 29.6549, 9.9692



35.6863, 29.6549, 4.2239



25.9150, 29.6549, 3.3808

Triad

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



35.6863, 29.6549, 4.2239



13.8194, 29.6549, 39.4485



40.6318, 29.6549, 93.1052

Complementary

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



35.6863, 29.6549, 4.2239



17.0855, 14.2994, 66.1488

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.



30.5861, 29.6549, 115.3462



35.6863, 29.6549, 4.2239



16.1554, 29.6549, 74.9621

Square

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



35.6863, 29.6549, 4.2239



14.5972, 29.6549, 16.2514



21.8181, 29.6549, 107.3201



48.3346, 29.6549, 56.4332

Rectangle

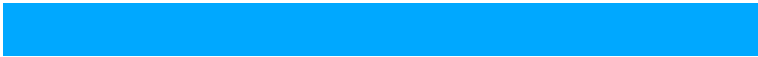
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.6863, 29.6549, 4.2239



20.6660, 29.6549, 4.7210



21.8181, 29.6549, 107.3201



37.3395, 29.6549, 103.2348

Sweetspot

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



35.6870, 29.6565, 4.2244



76.4776, 77.9595, 56.1448



30.6619, 15.7325, 14.4919



15.8609, 16.0484, 10.6800



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.



35.6870, 29.6565, 4.2244



51.2004, 41.1808, 5.2501



49.5220, 61.5942, 9.6599



12.9989, 13.5721, 13.0953



20.9835, 17.0843, 2.1916



1.3473, 1.1938, 0.1594

Inverse Universe

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



17.0855, 14.2994, 66.1488



23.7437, 18.6074, 96.9479



12.7655, 5.3778, 64.6544



12.1832, 12.8898, 15.7834



9.8138, 7.8893, 39.4587



0.6734, 0.6388, 2.4071

Previews

White Background



This preview shows how the XYZ color 35.6863, 29.6549, 4.2239 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 35.6863, 29.6549, 4.2239 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 35.6863, 29.6549, 4.2239

Background



This preview shows how black text looks on a background with the XYZ color 35.6863, 29.6549, 4.2239.



This preview shows how white text looks on a background with the XYZ color 35.6863, 29.6549,

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

35.6863, 29.6549, 4.2239

Protanopia

27.0313, 29.8739, 5.0510

Deuteranopia

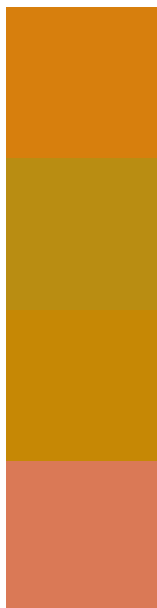
30.2639, 29.7411, 4.1455



Tritanopia

39.8244, 29.7048, 23.7133

Trichromacy



Original Color

35.6863, 29.6549, 4.2239

Protanomaly

29.6416, 29.4077, 4.6862

Deuteranomaly

32.1203, 29.6250, 4.1689

Tritanomaly

37.4305, 29.2521, 12.4775

Monochromacy



Original Color

35.6863, 29.6549, 4.2239

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.6207, 26.3516, 14.2730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6863, 29.6549, 4.2239 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(215, 127, 13)` looks like.

```
.text, #text, p{  
    color:rgb(215, 127, 13)  
}
```

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(215, 127, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 127, 13) }
```

Border

The CSS property to change the border of an element to XYZ 35.6863, 29.6549, 4.2239 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(215, 127, 13) }
```


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

```
.border{ border-color:rgb(215, 127, 13) }
```

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

Here you see how a box with a 4 pixel rgb(215, 127, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 127, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 127, 13);  
box-shadow:4px 4px 4px 4px rgb(215, 127,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6863, 29.6549, 4.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 127, 13) }
```

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

```
.background{ background-color: rgb(215,  
127, 13) }
```

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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