

Converting Colors

XYZ(35.5246, 28.6717, 5.8679)

Have a look what the booklet for
XYZ(35.5246, 28.6717, 5.8679)
contains.

XYZ(35.4018, 28.5333, 5.8321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.4018, 28.5333,
5.8321)**

Conversions

Conversions Part 1

Format	Color
Hex	D77A2A
RGB	215, 122, 42
RGB Percent	84%, 48%, 16%
CMY	0.1569, 0.5215, 0.8353
CMYK	0.00, 0.43, 0.80, 0.16
HSL	28°, 68%, 50%
HSV	28°, 80%, 84%
XYZ	35.4018, 28.5333, 5.8321
YIQ	140.6870, 81.1080, -5.1640

Conversions

Conversions Part 2

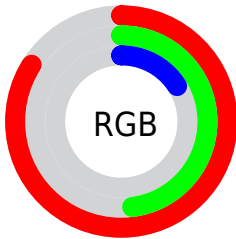
Format	Color
R_{YB}	215, 191, 42
Decimal	14121514
CIE Lab	60.37, 30.58, 56.28
CIE LCh	60, 64.048, 61.483
Yxy	28.5333, 0.5074, 0.4090
Android (android.graphics.Color)	4292311594 (0xFFD77A2A)
YUV	140.6870, -48.6527, 65.1725
Hunter-Lab	53.4166, 24.8218, 30.9182

Details

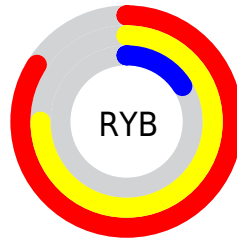
The XYZ color **35.4018, 28.5333, 5.8321** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **21.8840, 22.7253, 67.5226**, and the grayscale version is **25.3578, 26.6784, 29.0528**.

A 20% lighter version of the original color is **58.5904, 52.7281, 17.6792**, and **15.6438, 11.5048, 1.3961** is the 20% darker color. If you saturate the color by 10%, you get **33.7795, 25.7484, 3.8751**, and if you desaturate by 10%, it is **37.4004, 31.7413, 8.9321**.

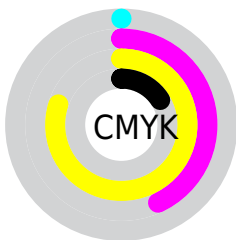
Distribution



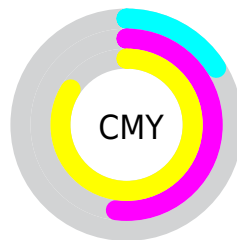
- Red (84%)
- Green (48%)
- Blue (16%)



- Red (84%)
- Yellow (75%)
- Blue (16%)



- Cyan (0%)
- Magenta (43%)
- Yellow (80%)
- Black (16%)





- Cyan (16%)
- Magenta (52%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4018, 28.5333, 5.8321 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 35.4018, 28.5333, 5.8321 by changing the saturation by 10% instead.


 35.4018, 28.5333,
5.8321


 35.4018, 28.5333,
5.8321


317.8153,
295.0065, 166.8169


 24.1405, 18.7281,
2.6761


 67.4377, 57.3348,
18.0530


 15.5632, 11.4739,
0.9314


 88.9430, 77.0998,
27.9550

 9.3045, 6.3866,
0.0000


 114.5937,
100.9535, 40.9428

 4.9990, 3.0815,
0.0000

 144.7551,
129.2803, 57.4349

 2.2814, 1.1744,
0.0000

 179.7926,
162.4646, 77.8498

 0.7851, 0.0407,
0.0000

 220.0716,

 0.0000, 0.0000,

200.8908, 102.6060

0.0000

265.9574,
244.9433, 132.1222

■ 35.4018, 28.5333,
5.8321

■ 35.4018, 28.5333,
5.8321

■ 33.7795, 25.7484,
3.8751

■ 37.4004, 31.7413,
8.9321

■ 32.5267, 23.4520,
2.8123

■ 39.8078, 35.3906,
13.3279

■ 42.6544, 39.5031,
19.1499

■ 45.9666, 44.0976,
26.5120

■ 49.7685, 49.1916,
35.5164

■ 54.0821, 54.8014,
46.2566

■ 58.9282, 60.9427,
58.8188

■ 64.3261, 67.6302,
73.2835

■ 70.2942, 74.8781,
89.7263

Harmonies

Analogous

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



42.9844, 28.5333, 12.8963



35.4018, 28.5333, 5.8321



26.7125, 28.5333, 4.2122

Triad

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



35.4018, 28.5333, 5.8321



14.1733, 28.5333, 32.2558



36.2560, 28.5333, 87.9886

Complementary

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



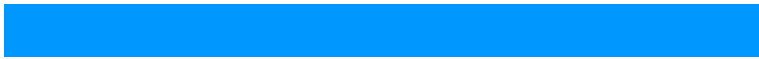
35.4018, 28.5333, 5.8321



21.8840, 22.7253, 67.5226

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.



27.5317, 28.5333, 102.0019



35.4018, 28.5333, 5.8321



15.7360, 28.5333, 61.2693

Square

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



35.4018, 28.5333, 5.8321



15.4527, 28.5333, 14.0603



20.2425, 28.5333, 90.3578



43.5436, 28.5333, 58.1292

Rectangle

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



35.4018, 28.5333, 5.8321



21.7259, 28.5333, 5.0948



20.2425, 28.5333, 90.3578



33.3404, 28.5333, 95.2332

Sweetspot

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



35.4024, 28.5348, 5.8326



77.1036, 77.4430, 61.8054



33.3784, 17.9136, 25.4221



16.0180, 15.9437, 12.0236



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.



35.4024, 28.5348, 5.8326



48.2462, 35.2054, 4.4721



50.5977, 58.9253, 10.8977



12.8918, 13.3578, 13.0596



19.5587, 14.2346, 1.7167



1.2620, 1.0232, 0.1310

Inverse Universe

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



21.8840, 22.7253, 67.5226



27.6134, 26.2046, 98.2104



14.3893, 7.7360, 65.0243



12.2900, 13.1033, 15.8190



11.1496, 10.5610, 39.9040



0.7549, 0.8019, 2.4343

Previews

White Background



This preview shows how the XYZ color 35.4018, 28.5333, 5.8321 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 35.4018, 28.5333, 5.8321 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 35.4018, 28.5333, 5.8321

Background



This preview shows how black text looks on a background with the XYZ color 35.4018, 28.5333, 5.8321.



This preview shows how white text looks on a background with the XYZ color 35.4018, 28.5333,

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

35.4018, 28.5333, 5.8321

Protanopia

25.9166, 28.5577, 6.9425

Deuteranopia

29.3032, 28.7769, 5.6002



Tritanopia

38.7436, 28.4998, 21.8714

Trichromacy



Original Color

35.4018, 28.5333, 5.8321

Protanomaly

28.7302, 28.0337, 6.4816

Deuteranomaly

31.2431, 28.5171, 5.6914

Tritanomaly

37.2505, 28.4183, 13.8779

Monochromacy



Original Color

35.4018, 28.5333, 5.8321

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.2233, 26.3949, 17.0245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4018, 28.5333, 5.8321 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, 122, 42)` looks like.

```
.text, #text, p{  
    color:rgb(215, 122, 42)  
}
```

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, 122, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 122, 42) }
```

Border

The CSS property to change the border of an element to XYZ 35.4018, 28.5333, 5.8321 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, 122, 42) }
```


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

```
.border{ border-color:rgb(215, 122, 42) }
```

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

Here you see how a box with a 4 pixel rgb(215, 122, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 122, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 122, 42);  
box-shadow:4px 4px 4px 4px rgb(215, 122,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4018, 28.5333, 5.8321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 122, 42) }
```

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

```
.background{ background-color: rgb(215,  
122, 42) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor