

Converting Colors

XYZ(42.8576, 34.4690, 5.6566)

Have a look what the booklet for
XYZ(42.8576, 34.4690, 5.6566)
contains.

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Color

**XYZ(42.8958, 34.5362,
5.7016)**

Conversions

Conversions Part 1

Format	Color
Hex	EB851F
RGB	235, 133, 31
RGB Percent	92%, 52%, 12%
CMY	0.0784, 0.4784, 0.8784
CMYK	0.00, 0.43, 0.87, 0.08
HSL	30°, 84%, 52%
HSV	30°, 87%, 92%
XYZ	42.8958, 34.5362, 5.7016
YIQ	151.8700, 93.5340, -10.0980

Conversions

Conversions Part 2

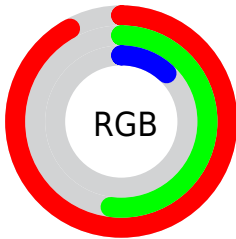
Format	Color
R_{YB}	235, 235, 31
Decimal	15435039
CIE _{Lab}	65.39, 32.73, 65.50
CIE _{LCh}	65, 73.217, 63.451
Yxy	34.5362, 0.5160, 0.4154
Android (android.graphics.Color)	4293625119 (0xFFEB851F)
YUV	151.8700, -59.5889, 72.9050
Hunter-Lab	58.7675, 27.4483, 35.3850

Details

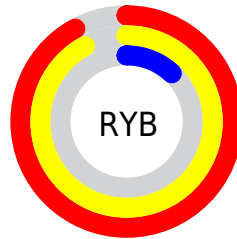
The XYZ color **42.8958, 34.5362, 5.7016** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **23.9474, 23.0634, 81.7861**, and the grayscale version is **30.0108, 31.5737, 34.3837**.

A 20% lighter version of the original color is **60.7306, 57.4888, 16.9124**, and **20.2509, 14.9188, 1.8123** is the 20% darker color. If you saturate the color by 10%, you get **41.1705, 31.4160, 4.1095**, and if you desaturate by 10%, it is **45.0267, 38.1096, 8.5351**.

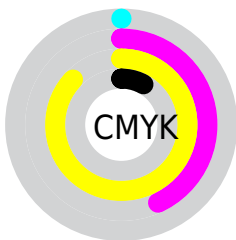
Distribution



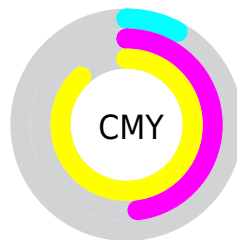
- Red (92%)
- Green (52%)
- Blue (12%)



- Red (92%)
- Yellow (92%)
- Blue (12%)



- Cyan (0%)
- Magenta (43%)
- Yellow (87%)
- Black (8%)





- Cyan (8%)
- Magenta (48%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8958, 34.5362, 5.7016 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 42.8958, 34.5362, 5.7016 by changing the saturation by 10% instead.


 42.8958, 34.5362,
5.7016


 42.8958, 34.5362,
5.7016


349.1119,
322.5164, 165.5902


 29.9975, 23.3058,
2.5987


 78.8103, 66.7666,
17.7752

 19.9848, 14.8195,
0.8918


 102.5572, 88.5355,
27.5829


 12.4922, 8.6928,
0.0000


 130.6511,
114.5860, 40.4626

 7.1544, 4.5414,
0.0000

 163.4572,
145.3024, 56.8329

 3.6060, 1.9808,
0.0000

 201.3410,
181.0693, 77.1122

 1.4818, 0.5963,
0.0000

 244.6678,

 0.3134, 0.0000,

222.2710, 101.7192

0.0000

293.8030,
269.2919, 131.0723

■ 0.0000, 0.0000,
0.0000

■ 42.8958, 34.5362,
5.7016

■ 42.8958, 34.5362,
5.7016

■ 41.1705, 31.4160,
4.1095

■ 45.0267, 38.1096,
8.5351

■ 40.6811, 30.5029,
3.7435

■ 47.6095, 42.1592,
12.8367

■ 50.6842, 46.7111,
18.7865

■ 54.2847, 51.7871,
26.5381

■ 58.4415, 57.4074,
36.2269

63.1823, 63.5906,
47.9756

68.5328, 70.3545,
61.8964

74.5168, 77.7157,
78.0933

81.1570, 85.6904,
96.6637

Harmonies

Analogous

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



53.1341, 34.5362, 13.5947



42.8958, 34.5362, 5.7016



31.6038, 34.5362, 4.1370

Triad

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



42.8958, 34.5362, 5.7016



16.2869, 34.5362, 41.2600



45.5086, 34.5362, 111.2013

Complementary

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



42.8958, 34.5362, 5.7016



23.9474, 23.0634, 81.7861

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.



34.0785, 34.5362, 132.2763



42.8958, 34.5362, 5.7016



18.4897, 34.5362, 80.2783

Square

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



42.8958, 34.5362, 5.7016



17.6586, 34.5362, 16.9533



24.4694, 34.5362, 118.6626



54.8582, 34.5362, 70.5264

Rectangle

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



42.8958, 34.5362, 5.7016



25.3066, 34.5362, 5.3277



24.4694, 34.5362, 118.6626



41.7034, 34.5362, 121.5793

Sweetspot

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



42.8966, 34.5380, 5.7022



76.4747, 77.0850, 58.8218



38.9845, 20.3357, 24.0613



15.9225, 15.9248, 11.4617



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.



42.8966, 34.5380, 5.7022



48.8951, 36.5701, 4.4817



64.2161, 77.1771, 12.8087



15.6878, 16.2985, 15.8378



22.7688, 17.2319, 2.1260



1.8841, 1.5455, 0.1990

Inverse Universe

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



23.9474, 23.0634, 81.7861



25.7032, 22.5263, 97.6011



16.0506, 7.2697, 79.1538



14.8534, 15.7933, 19.1878



12.0458, 10.7386, 45.1808



1.0421, 1.0357, 3.5799

Previews

White Background



This preview shows how the XYZ color 42.8958, 34.5362, 5.7016 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 42.8958, 34.5362, 5.7016 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8958, 34.5362, 5.7016

Background



This preview shows how black text looks on a background with the XYZ color 42.8958, 34.5362, 5.7016.



This preview shows how white text looks on a background with the XYZ color 42.8958, 34.5362,

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

42.8958, 34.5362, 5.7016

Protanopia

31.5111, 34.8653, 6.9026

Deuteranopia

35.2632, 34.5944, 5.3911



Tritanopia

47.0379, 34.4595, 26.3625

Trichromacy



Original Color

42.8958, 34.5362, 5.7016

Protanomaly

34.7629, 34.0762, 6.3353

Deuteranomaly

37.5685, 34.1545, 5.4230

Tritanomaly

44.9606, 34.2004, 15.2980

Monochromacy



Original Color

42.8958, 34.5362, 5.7016

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.1236, 31.2786, 18.5316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8958, 34.5362, 5.7016 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(235, 133, 31)` looks like.

```
.text, #text, p{  
    color:rgb(235, 133, 31)  
}
```

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(235, 133, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 133, 31) }
```

Border

The CSS property to change the border of an element to XYZ 42.8958, 34.5362, 5.7016 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(235, 133, 31) }
```


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

```
.border{ border-color:rgb(235, 133, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 133, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 133, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 133, 31);  
box-shadow:4px 4px 4px 4px rgb(235, 133,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8958, 34.5362, 5.7016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 133, 31) }
```

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

```
.background{ background-color: rgb(235,  
133, 31) }
```

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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