

Converting Colors

XYZ(41.8623, 34.3224, 8.3404)

Have a look what the booklet for
XYZ(41.8623, 34.3224, 8.3404)
contains.

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Color

**XYZ(41.7156, 34.2814,
8.2892)**

Conversions

Conversions Part 1

Format	Color
Hex	E58739
RGB	229, 135, 57
RGB Percent	90%, 53%, 22%
CMY	0.1020, 0.4706, 0.7765
CMYK	0.00, 0.41, 0.75, 0.10
HSL	27°, 77%, 56%
HSV	27°, 75%, 90%
XYZ	41.7156, 34.2814, 8.2892
YIQ	154.2140, 81.0620, -4.3300

Conversions

Conversions Part 2

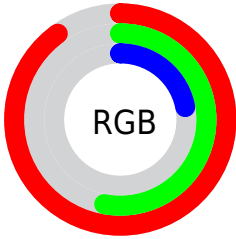
Format	Color
R _Y B	229, 200, 57
Decimal	15042361
CIE Lab	65.19, 30.04, 55.21
CIE LCh	65, 62.853, 61.449
Yxy	34.2814, 0.4949, 0.4067
Android (android.graphics.Color)	4293232441 (0xFFE58739)
YUV	154.2140, -47.9265, 65.5873
Hunter-Lab	58.5503, 24.7136, 32.5913

Details

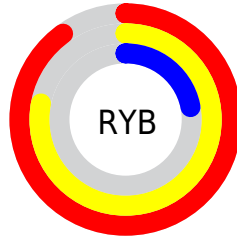
The XYZ color **41.7156, 34.2814, 8.2892** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.8960, 28.6585, 78.2423**, and the grayscale version is **30.9893, 32.6031, 35.5048**.

A 20% lighter version of the original color is **62.1979, 58.7593, 22.5315**, and **19.3188, 14.6655, 1.8125** is the 20% darker color. If you saturate the color by 10%, you get **39.6233, 30.8143, 5.3805**, and if you desaturate by 10%, it is **44.2722, 38.2655, 12.6231**.

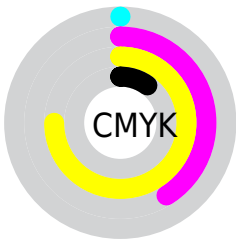
Distribution



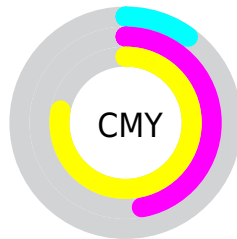
- Red (90%)
- Green (53%)
- Blue (22%)



- Red (90%)
- Yellow (78%)
- Blue (22%)



- Cyan (0%)
- Magenta (41%)
- Yellow (75%)
- Black (10%)





- Cyan (10%)
- Magenta (47%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7156, 34.2814, 8.2892 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 41.7156, 34.2814, 8.2892 by changing the saturation by 10% instead.


 41.7156, 34.2814,
8.2892

 41.7156, 34.2814,
8.2892


344.3144,
321.3850, 188.0016


 29.0688, 23.1099,
4.1901


 77.0369, 66.3710,
23.0789

 19.2774, 14.6746,
1.7302


 100.4421, 88.0579,
34.6067

 11.9761, 8.5914,
0.3813


 128.1641,
114.0187, 49.4477

 6.7995, 4.4756,
0.0000

 160.5683,
144.6378, 68.0206

 3.3822, 1.9430,
0.0000

 198.0201,
180.2996, 90.7439

 1.3590, 0.5740,
0.0000

 240.8848,

 0.2267, 0.0000,

221.3884, 118.0362

0.0000

289.5278,
268.2888, 150.3159

■ 0.0000, 0.0000,
0.0000

■ 41.7156, 34.2814,
8.2892

■ 41.7156, 34.2814,
8.2892

■ 39.6233, 30.8143,
5.3805

■ 44.2722, 38.2655,
12.6231

■ 37.9480, 27.8297,
3.6944


■ 47.3281, 42.7871,
18.5442


■ 37.2487, 26.5296,
3.1575


■ 50.9169, 47.8713,
26.1945


■ 55.0683, 53.5398,
35.6993

■ 59.8093, 59.8130,
47.1722

 65.1651, 66.7099,
60.7176

 71.1593, 74.2489,
76.4326

 77.8141, 82.4472,
94.4079

 83.8183, 90.7887,
107.7140

Harmonies

Analogous

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



49.9739, 34.2814, 16.7581



41.7156, 34.2814, 8.2892



32.1413, 34.2814, 6.2479

Triad

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



41.7156, 34.2814, 8.2892



17.9947, 34.2814, 38.6130



42.6292, 34.2814, 98.7534

Complementary

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



41.7156, 34.2814, 8.2892



26.8960, 28.6585, 78.2423

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.



33.0296, 34.2814, 113.5338



41.7156, 34.2814, 8.2892



19.7832, 34.2814, 70.1878

Square

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



41.7156, 34.2814, 8.2892



19.4664, 34.2814, 18.0833



24.8919, 34.2814, 101.2065



50.5668, 34.2814, 66.8848

Rectangle

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



41.7156, 34.2814, 8.2892



26.5755, 34.2814, 7.3610



24.8919, 34.2814, 101.2065



39.4347, 34.2814, 106.4110

Sweetspot

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



41.7164, 34.2832, 8.2898



77.6178, 78.0097, 63.4001



39.4109, 21.8383, 31.6726



16.1117, 16.0429, 12.3268



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.



41.7164, 34.2832, 8.2898



49.3483, 37.1871, 5.5251



58.7496, 68.3496, 13.9676



14.9126, 15.4392, 15.0985



21.4140, 15.4022, 1.8443



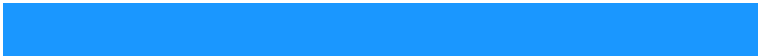
1.6742, 1.3218, 0.1669

Inverse Universe

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



26.8960, 28.6585, 78.2423



29.5165, 29.5394, 98.7537



17.7553, 10.3771, 75.1954



14.2323, 15.1860, 18.3254



12.4115, 11.8851, 44.0231



1.0097, 1.0634, 3.2840

Previews

White Background



This preview shows how the XYZ color 41.7156, 34.2814, 8.2892 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 41.7156, 34.2814, 8.2892 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 41.7156, 34.2814, 8.2892

Background



This preview shows how black text looks on a background with the XYZ color 41.7156, 34.2814, 8.2892.



This preview shows how white text looks on a background with the XYZ color 41.7156, 34.2814,

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

41.7156, 34.2814, 8.2892

Protanopia

31.4550, 34.5136, 9.8544

Deuteranopia

35.2396, 34.5233, 8.0551



Tritanopia

45.6376, 34.2800, 27.5039

Trichromacy



Original Color

41.7156, 34.2814, 8.2892

Protanomaly

34.5136, 33.8854, 9.1363

Deuteranomaly

37.3696, 34.2188, 8.1253

Tritanomaly

43.9152, 34.1826, 18.1932

Monochromacy



Original Color

41.7156, 34.2814, 8.2892

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.8195, 32.0231, 21.9041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7156, 34.2814, 8.2892 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(229, 135, 57)` looks like.

```
.text, #text, p{  
    color:rgb(229, 135, 57)  
}
```

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(229, 135, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 135, 57) }
```

Border

The CSS property to change the border of an element to XYZ 41.7156, 34.2814, 8.2892 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(229, 135, 57) }
```


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

```
.border{ border-color:rgb(229, 135, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 135, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 135, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 135, 57);  
box-shadow:4px 4px 4px 4px rgb(229, 135,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7156, 34.2814, 8.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 135, 57) }
```

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

```
.background{ background-color: rgb(229,  
135, 57) }
```

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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