

Converting Colors

XYZ(40.5701, 34.3927, 5.1163)

Have a look what the booklet for
XYZ(40.5701, 34.3927, 5.1163)
contains.

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Color

**XYZ(40.5701, 34.3927,
5.1163)**

Conversions

Conversions Part 1

Format	Color
Hex	E28A13
RGB	226, 138, 19
RGB Percent	89%, 54%, 7%
CMY	0.1137, 0.4588, 0.9255
CMYK	0.00, 0.39, 0.92, 0.11
HSL	34°, 84%, 48%
HSV	34°, 92%, 89%
XYZ	40.5701, 34.3927, 5.1163
YIQ	150.7460, 90.6470, -18.3530

Conversions

Conversions Part 2

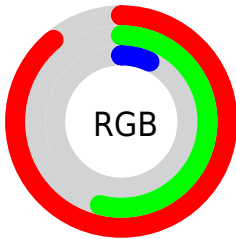
Format	Color
RYB	172, 226, 19
Decimal	14846483
CIELab	65.27, 26.15, 67.96
CIElCh	65, 72.813, 68.952
Yxy	34.3927, 0.5066, 0.4295
Android (android.graphics.Color)	4293036563 (0xFFE28A13)
YUV	150.7460, -64.9508, 65.9978
Hunter-Lab	58.6453, 20.8549, 35.8792

Details

The XYZ color **40.5701, 34.3927, 5.1163** 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 **19.2539, 16.1450, 74.0526**, and the grayscale version is **29.5497, 31.0886, 33.8555**.

A 20% lighter version of the original color is **61.5376, 59.5385, 15.8381**, and **18.7996, 14.8720, 1.8797** is the 20% darker color. If you saturate the color by 10%, you get **39.3367, 32.1143, 4.1254**, and if you desaturate by 10%, it is **42.3042, 37.3919, 7.1415**.

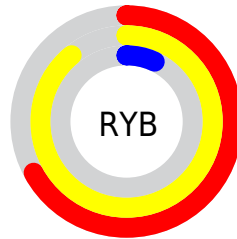
Distribution



Red (89%)

Green (54%)

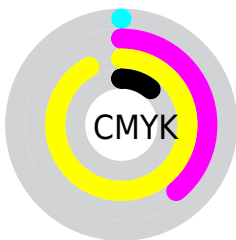
Blue (7%)



Red (67%)

Yellow (89%)

Blue (7%)

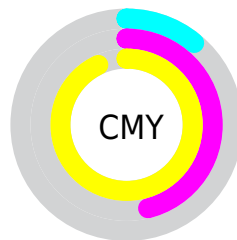


Cyan (0%)

Magenta (39%)

Yellow (92%)

Black (11%)



Cyan (11%)


Magenta (46%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5701, 34.3927, 5.1163 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 40.5701, 34.3927, 5.1163 by changing the saturation by 10% instead.


 40.5701, 34.3927,
5.1163


 40.5701, 34.3927,
5.1163

339.6140,
321.8796, 159.9251


 28.1695, 23.1954,
2.2557

 75.3097, 66.5439,
16.5119

 18.5946, 14.7379,
0.7063


 98.3794, 88.2666,
25.8840

 11.4800, 8.6356,
0.0000


 125.7362,
114.2666, 38.2637

 6.4603, 4.5043,
0.0000

 157.7455,
144.9283, 54.0696

 3.1702, 1.9595,
0.0000

 194.7725,
180.6360, 73.7201

 1.2444, 0.5838,
0.0000

 237.1827,

 0.1410, 0.0000,

221.7742, 97.6338

0.0000

285.3414,
268.7273, 126.2293

0.0000, 0.0000,
0.0000

40.5701, 34.3927,
5.1163

40.5701, 34.3927,
5.1163

39.3367, 32.1143,
4.1254

42.3042, 37.3919,
7.1415

44.3896, 40.7300,
10.4036

46.8636, 44.4282,
15.0812

49.7571, 48.5034,
21.3229

53.0972, 52.9708,
29.2583

■ 56.9085, 57.8444,
39.0034

■ 61.2134, 63.1373,
50.6638

■ 66.0327, 68.8619,
64.3369

■ 71.3861, 75.0300,
80.1135

Harmonies

Analogous

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



51.2413, 34.3927, 11.4316



40.5701, 34.3927, 5.1163



29.6190, 34.3927, 4.3173

Triad

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



40.5701, 34.3927, 5.1163



16.4052, 34.3927, 47.2857



47.2510, 34.3927, 103.6625

Complementary

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



40.5701, 34.3927, 5.1163



19.2539, 16.1450, 74.0526

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.



35.9647, 34.3927, 129.7776



40.5701, 34.3927, 5.1163



19.2617, 34.3927, 87.4415

Square

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



40.5701, 34.3927, 5.1163



17.1174, 34.3927, 20.1511



25.9014, 34.3927, 122.6220



55.6415, 34.3927, 62.5702

Rectangle

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



40.5701, 34.3927, 5.1163



23.7816, 34.3927, 6.0724



25.9014, 34.3927, 122.6220



43.5824, 34.3927, 115.2752

Sweetspot

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



40.5709, 34.3945, 5.1169



77.2423, 79.0584, 57.7267



34.3413, 17.7324, 15.9973



16.1279, 16.4192, 11.2719



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.



40.5709, 34.3945, 5.1169



51.6114, 42.0028, 5.3871



54.5229, 68.4662, 10.9581



14.3582, 15.0024, 14.4458



22.5617, 18.5614, 2.3936



1.6520, 1.4630, 0.1953

Inverse Universe

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



19.2539, 16.1450, 74.0526



23.4550, 18.0300, 96.8517



14.5814, 6.2771, 72.3942



13.4286, 14.1964, 17.4201



10.3339, 8.1373, 42.0744



0.8036, 0.7387, 2.9455

Previews

White Background



This preview shows how the XYZ color 40.5701, 34.3927, 5.1163 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 40.5701, 34.3927, 5.1163 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 40.5701, 34.3927, 5.1163

Background



This preview shows how black text looks on a background with the XYZ color 40.5701, 34.3927, 5.1163.



This preview shows how white text looks on a background with the XYZ color 40.5701, 34.3927,

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

40.5701, 34.3927, 5.1163

Protanopia

31.1750, 34.4546, 5.9846

Deuteranopia

35.1540, 34.5507, 4.8161



Tritanopia

45.2616, 34.2622, 28.2725

Trichromacy



Original Color

40.5701, 34.3927, 5.1163

Protanomaly

33.9862, 33.9308, 5.5687

Deuteranomaly

36.8956, 34.2747, 4.8721

Tritanomaly

42.6299, 33.9868, 15.1397

Monochromacy



Original Color

40.5701, 34.3927, 5.1163

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.0872, 31.0020, 17.1775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5701, 34.3927, 5.1163 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(226, 138, 19)` looks like.

```
.text, #text, p{  
    color:rgb(226, 138, 19)  
}
```

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(226, 138, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 138, 19) }
```

Border

The CSS property to change the border of an element to XYZ 40.5701, 34.3927, 5.1163 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(226, 138, 19) }
```


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

```
.border{ border-color:rgb(226, 138, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 138, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 138, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 138, 19);  
box-shadow:4px 4px 4px 4px rgb(226, 138,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5701, 34.3927, 5.1163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 138, 19) }
```

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

```
.background{ background-color: rgb(226,  
138, 19) }
```

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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