

Converting Colors

XYZ(40.6767, 33.8442, 5.1128)

Have a look what the booklet for
XYZ(40.6767, 33.8442, 5.1128)
contains.

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Color

**XYZ(40.7942, 33.8761,
5.0981)**

Conversions

Conversions Part 1

Format	Color
Hex	E48715
RGB	228, 135, 21
RGB Percent	89%, 53%, 8%
CMY	0.1059, 0.4706, 0.9176
CMYK	0.00, 0.41, 0.91, 0.11
HSL	33°, 83%, 49%
HSV	33°, 91%, 89%
XYZ	40.7942, 33.8761, 5.0981
YIQ	149.8110, 92.0220, -15.7380

Conversions

Conversions Part 2

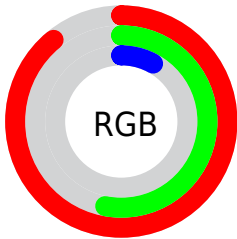
Format	Color
RYB	190, 228, 21
Decimal	14976789
CIELab	64.86, 28.61, 67.34
CIELCh	65, 73.160, 66.983
Yxy	33.8761, 0.5114, 0.4247
Android (android.graphics.Color)	4293166869 (0xFFE48715)
YUV	149.8110, -63.5038, 68.5718
Hunter-Lab	58.2032, 23.2538, 35.5489

Details

The XYZ color **40.7942, 33.8761, 5.0981** 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 **20.3299, 17.7950, 75.7613**, and the grayscale version is **29.1439, 30.6616, 33.3905**.

A 20% lighter version of the original color is **60.9228, 58.2493, 15.8168**, and **18.9744, 14.6040, 1.8188** is the 20% darker color. If you saturate the color by 10%, you get **39.4006, 31.3058, 3.9660**, and if you desaturate by 10%, it is **42.6092, 37.0015, 7.2600**.

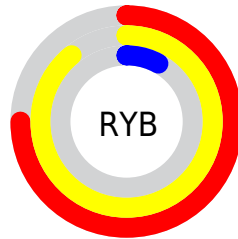
Distribution



Red (89%)

Green (53%)

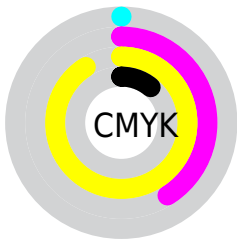
Blue (8%)



Red (75%)

Yellow (89%)

Blue (8%)

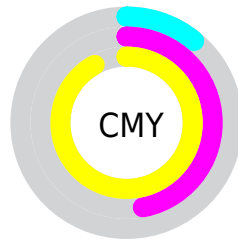


Cyan (0%)

Magenta (41%)

Yellow (91%)

Black (11%)



Cyan (11%)


Magenta (47%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7942, 33.8761, 5.0981 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 40.7942, 33.8761, 5.0981 by changing the saturation by 10% instead.


 40.7942, 33.8761,
5.0981


 40.7942, 33.8761,
5.0981

340.5370,
319.5792, 159.7443


 28.3453, 22.7984,
2.2452


 75.6481, 65.7409,
16.4721

 18.7279, 14.4447,
0.7003


 98.7837, 87.2969,
25.8303

 11.5767, 8.4306,
0.0000


 126.2123,
113.1144, 38.1941

 6.5262, 4.3717,
0.0000

 158.2992,
143.5779, 53.9818

 3.2113, 1.8836,
0.0000

 195.4098,
179.0717, 73.6122

 1.2665, 0.5385,
0.0000

 237.9094,

 0.1579, 0.0000,

219.9803, 97.5037

0.0000

286.1633,
266.6880, 126.0749

0.0000, 0.0000,
0.0000

40.7942, 33.8761,
5.0981

40.7942, 33.8761,
5.0981

39.4006, 31.3058,
3.9660

42.6092, 37.0015,
7.2600

44.7994, 40.5014,
10.7047

47.4031, 44.3984,
15.6121

50.4518, 48.7105,
22.1322

53.9737, 53.4544,
30.3967

■ 57.9942, 58.6454,
40.5230

■ 62.5366, 64.2977,
52.6186

■ 67.6224, 70.4249,
66.7826

■ 73.2721, 77.0399,
83.1074

Harmonies

Analogous

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



51.2614, 33.8761, 11.8207



40.7942, 33.8761, 5.0981



29.7957, 33.8761, 4.0576

Triad

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



40.7942, 33.8761, 5.0981



15.9753, 33.8761, 44.4046



46.0001, 33.8761, 105.4285

Complementary

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



40.7942, 33.8761, 5.0981



20.3299, 17.7950, 75.7613

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.



34.7266, 33.8761, 129.7515



40.7942, 33.8761, 5.0981



18.5661, 33.8761, 84.0036

Square

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



40.7942, 33.8761, 5.0981



16.9103, 33.8761, 18.5211



24.9035, 33.8761, 120.2951



54.6962, 33.8761, 64.5662

Rectangle

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



40.7942, 33.8761, 5.0981



23.8472, 33.8761, 5.5657



24.9035, 33.8761, 120.2951



42.3014, 33.8761, 116.5987

Sweetspot

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



40.7949, 33.8779, 5.0987



76.7931, 78.1600, 57.5770



35.3088, 18.2487, 17.6266



16.0220, 16.2074, 11.2366



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.



40.7949, 33.8779, 5.0987



50.6826, 40.1453, 5.0775



56.6872, 70.3918, 11.3090



15.0317, 15.6773, 15.1382



22.8717, 18.3175, 2.3302



1.7826, 1.5385, 0.2030

Inverse Universe

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



20.3299, 17.7950, 75.7613



24.1306, 19.3811, 97.0769



14.8476, 6.4348, 73.8575



14.1133, 14.9480, 18.2857



10.9689, 8.9999, 43.5422



0.9022, 0.8483, 3.2482

Previews

White Background



This preview shows how the XYZ color 40.7942, 33.8761, 5.0981 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 40.7942, 33.8761, 5.0981 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 40.7942, 33.8761, 5.0981

Background



This preview shows how black text looks on a background with the XYZ color 40.7942, 33.8761, 5.0981.



This preview shows how white text looks on a background with the XYZ color 40.7942, 33.8761,

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

40.7942, 33.8761, 5.0981

Protanopia

30.7966, 34.0025, 6.0386

Deuteranopia

34.7258, 34.0921, 4.7502



Tritanopia

45.4383, 33.9946, 27.0884

Trichromacy



Original Color

40.7942, 33.8761, 5.0981

Protanomaly

33.8468, 33.6186, 5.6248

Deuteranomaly

36.7476, 33.9700, 4.8498

Tritanomaly

42.8256, 33.4976, 14.7982

Monochromacy



Original Color

40.7942, 33.8761, 5.0981

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.9337, 30.6950, 17.1263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7942, 33.8761, 5.0981 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(228, 135, 21)` looks like.

```
.text, #text, p{  
    color:rgb(228, 135, 21)  
}
```

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(228, 135, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 135, 21) }
```

Border

The CSS property to change the border of an element to XYZ 40.7942, 33.8761, 5.0981 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(228, 135, 21) }
```


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

```
.border{ border-color:rgb(228, 135, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 135, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 135, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 135, 21);  
box-shadow:4px 4px 4px 4px rgb(228, 135,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7942, 33.8761, 5.0981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 135, 21) }
```

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

```
.background{ background-color: rgb(228,  
135, 21) }
```

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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