

Converting Colors

XYZ(42.3679, 33.7019, 4.8444)

Have a look what the booklet for
XYZ(42.3679, 33.7019, 4.8444)
contains.

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Color

**XYZ(42.3528, 33.6711,
4.8392)**

Conversions

Conversions Part 1

Format	Color
Hex	EB8212
RGB	235, 130, 18
RGB Percent	92%, 51%, 7%
CMY	0.0784, 0.4902, 0.9294
CMYK	0.00, 0.45, 0.92, 0.08
HSL	31°, 86%, 50%
HSV	31°, 92%, 92%
XYZ	42.3528, 33.6711, 4.8392
YIQ	148.6270, 98.5320, -12.5720

Conversions

Conversions Part 2

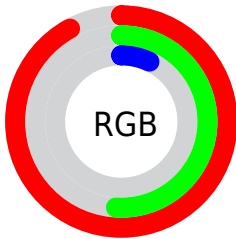
Format	Color
R _Y B	221, 235, 18
Decimal	15434258
CIE Lab	64.70, 34.05, 68.30
CIE LCh	65, 76.315, 63.498
Yxy	33.6711, 0.5238, 0.4164
Android (android.graphics.Color)	4293624338 (0xFFEB8212)
YUV	148.6270, -64.3991, 75.7491
Hunter-Lab	58.0268, 28.7373, 35.6742

Details

The XYZ color **42.3528, 33.6711, 4.8392** 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 **22.3277, 20.2924, 81.3368**, and the grayscale version is **28.6444, 30.1362, 32.8183**.

A 20% lighter version of the original color is **59.7918, 56.1055, 15.0752**, and **19.8092, 14.3626, 1.7282** is the 20% darker color. If you saturate the color by 10%, you get **41.1340, 31.4085, 3.8945**, and if you desaturate by 10%, it is **44.2505, 36.9870, 6.9514**.

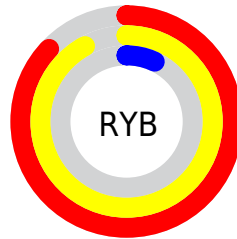
Distribution



Red (92%)

Green (51%)

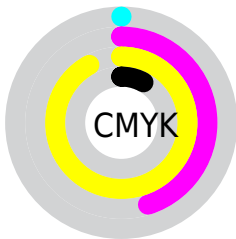
Blue (7%)



Red (87%)

Yellow (92%)

Blue (7%)

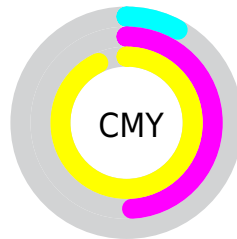


Cyan (0%)

Magenta (45%)

Yellow (92%)

Black (8%)



Cyan (8%)


Magenta (49%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3528, 33.6711, 4.8392 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 42.3528, 33.6711, 4.8392 by changing the saturation by 10% instead.


 42.3528, 33.6711,
4.8392


 42.3528, 33.6711,
4.8392


346.9101,
318.6630, 157.1405


 29.5700, 22.6410,
2.0961


 77.9951, 65.4219,
15.9031


 19.6589, 14.3287,
0.6135


 101.5853, 86.9114,
25.0611

 12.2541, 8.3496,
0.0000


 129.5086,
112.6562, 37.1944

 6.9904, 4.3195,
0.0000

 162.1305,
143.0406, 52.7216

 3.5024, 1.8538,
0.0000

 199.8162,
178.4491, 72.0613

 1.4247, 0.5204,
0.0000

 242.9312,

 0.2737, 0.0000,

219.2661, 95.6320

0.0000

291.8407,
265.8759, 123.8522

0.0000, 0.0000,
0.0000

42.3528, 33.6711,
4.8392

42.3528, 33.6711,
4.8392

41.1340, 31.4085,
3.8945

44.2505, 36.9870,
6.9514

46.5651, 40.7439,
10.4121

49.3399, 44.9684,
15.4222

52.6110, 49.6827,
22.1479

56.4102, 54.9067,
30.7339

■ 60.7660, 60.6588,
41.3093

■ 65.7047, 66.9565,
53.9916

■ 71.2508, 73.8161,
68.8890

■ 77.4271, 81.2531,
86.1022

Harmonies

Analogous

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



52.9781, 33.6711, 12.4297



42.3528, 33.6711, 4.8392



30.7353, 33.6711, 3.3978

Triad

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



42.3528, 33.6711, 4.8392



15.2468, 33.6711, 40.4674



45.0931, 33.6711, 113.4837

Complementary

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



42.3528, 33.6711, 4.8392



22.3277, 20.2924, 81.3368

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.



33.3058, 33.6711, 135.8537



42.3528, 33.6711, 4.8392



17.4558, 33.6711, 81.0513

Square

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



42.3528, 33.6711, 4.8392



16.6118, 33.6711, 15.7942



23.4943, 33.6711, 121.4822



54.7969, 33.6711, 70.7065

Rectangle

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



42.3528, 33.6711, 4.8392



24.3181, 33.6711, 4.5009



23.4943, 33.6711, 121.4822



41.1579, 33.6711, 124.4769

Sweetspot

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



42.3535, 33.6729, 4.8398



75.5621, 76.1285, 55.8396



38.2756, 19.6143, 21.6778



15.6415, 15.6096, 10.6069



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.



42.3535, 33.6729, 4.8398



49.4395, 37.6591, 4.6632



64.0781, 77.1220, 12.0813



15.7085, 16.3400, 15.8447



23.0216, 17.7375, 2.2103



1.9040, 1.5854, 0.2057

Inverse Universe

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



22.3277, 20.2924, 81.3368



25.1804, 21.4809, 97.4268



15.4613, 6.5596, 79.0480



14.8327, 15.7519, 19.1809



11.8027, 10.2524, 45.0998



1.0227, 0.9970, 3.5734

Previews

White Background



This preview shows how the XYZ color 42.3528, 33.6711, 4.8392 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 42.3528, 33.6711, 4.8392 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 42.3528, 33.6711, 4.8392

Background



This preview shows how black text looks on a background with the XYZ color 42.3528, 33.6711, 4.8392.



This preview shows how white text looks on a background with the XYZ color 42.3528, 33.6711,

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

42.3528, 33.6711, 4.8392

Protanopia

30.5562, 33.8800, 5.9659

Deuteranopia

34.3006, 33.6370, 4.6848



Tritanopia

46.4632, 33.6372, 25.1628

Trichromacy



Original Color

42.3528, 33.6711, 4.8392

Protanomaly

34.0435, 33.2515, 5.4881

Deuteranomaly

36.8627, 33.3584, 4.6969

Tritanomaly

44.2707, 33.3137, 13.5481

Monochromacy



Original Color

42.3528, 33.6711, 4.8392

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.8444, 29.9889, 16.4747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3528, 33.6711, 4.8392 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, 130, 18)` looks like.

```
.text, #text, p{  
    color:rgb(235, 130, 18)  
}
```

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, 130, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 130, 18) }
```

Border

The CSS property to change the border of an element to XYZ 42.3528, 33.6711, 4.8392 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, 130, 18) }
```


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

```
.border{ border-color:rgb(235, 130, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 130, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 130, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 130, 18);  
box-shadow:4px 4px 4px 4px rgb(235, 130,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3528, 33.6711, 4.8392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 130, 18) }
```

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

```
.background{ background-color: rgb(235,  
130, 18) }
```

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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