

Converting Colors

XYZ(45.9575, 43.2702, 10.7639)

Have a look what the booklet for
XYZ(45.9575, 43.2702, 10.7639)
contains.

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Color

**XYZ(45.8794, 43.2520,
10.7808)**

Conversions

Conversions Part 1

Format	Color
Hex	E3A440
RGB	227, 164, 64
RGB Percent	89%, 64%, 25%
CMY	0.1098, 0.3568, 0.7490
CMYK	0.00, 0.28, 0.72, 0.11
HSL	37°, 74%, 57%
HSV	37°, 72%, 89%
XYZ	45.8794, 43.2520, 10.7808
YIQ	171.4370, 69.6480, -17.7440

Conversions

Conversions Part 2

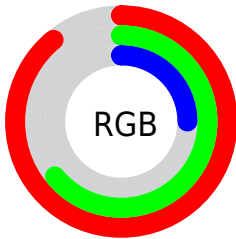
Format	Color
RYB	167, 227, 64
Decimal	14918720
CIELab	71.73, 14.09, 58.73
CIELCh	72, 60.393, 76.506
Yxy	43.2520, 0.4592, 0.4329
Android (android.graphics.Color)	4293108800 (0xFFE3A440)
YUV	171.4370, -52.9664, 48.7288
Hunter-Lab	65.7663, 9.4330, 36.3172

Details

The XYZ color **45.8794, 43.2520, 10.7808** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.5684, 21.8137, 75.6407**, and the grayscale version is **39.1635, 41.2031, 44.8702**.

A 20% lighter version of the original color is **69.7824, 73.2074, 27.2821**, and **21.7305, 19.8038, 2.6772** is the 20% darker color. If you saturate the color by 10%, you get **43.8441, 40.0135, 7.5382**, and if you desaturate by 10%, it is **48.2877, 46.8165, 15.4447**.

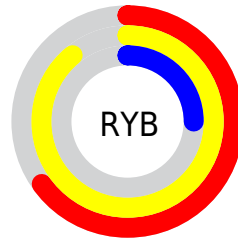
Distribution



Red (89%)

Green (64%)

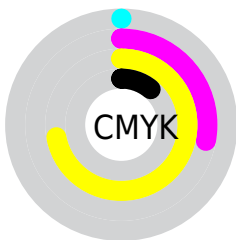
Blue (25%)



Red (65%)

Yellow (89%)

Blue (25%)

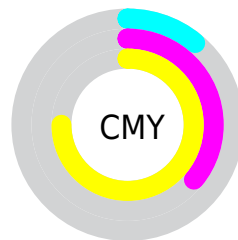


Cyan (0%)

Magenta (28%)

Yellow (72%)

Black (11%)



Cyan (11%)


Magenta (36%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8794, 43.2520, 10.7808 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 45.8794, 43.2520, 10.7808 by changing the saturation by 10% instead.


 45.8794, 43.2520,
10.7808


 45.8794, 43.2520,
10.7808


361.0477,
359.6471, 206.8406

 32.3549, 30.0829,
5.8073


 83.2674, 80.0910,
27.8845

 21.7896, 19.9015,
2.6614


 107.8617,
104.5297, 40.8519


 13.8181, 12.3235,
0.9239


 136.8766,
133.4937, 57.3209

 8.0751, 6.9644,
0.0000

 170.6774,
167.3674, 77.7102

 4.1953, 3.4398,
0.0000

 209.6296,
206.5352, 102.4383

 1.8132, 1.3654,
0.0000

254.0984,

 0.5256, 0.1910,

251.3814, 131.9237

0.0000

304.4493,
302.2906, 166.5850

■ 0.0000, 0.0000,
0.0000

■ 45.8794, 43.2520,
10.7808

■ 45.8794, 43.2520,
10.7808

■ 43.8441, 40.0135,
7.5382

■ 48.2877, 46.8165,
15.4447

■ 42.1425, 37.0766,
5.5338

■ 51.0967, 50.7162,
21.6780

■ 40.9503, 34.8747,
4.5732

■ 54.3340, 54.9672,
29.6126

■ 58.0240, 59.5824,
39.3658

■ 62.1886, 64.5737,
51.0443

■ 66.8482, 69.9522,
64.7465

■ 72.0222, 75.7287,
80.5641

■ 77.7284, 81.9133,
98.5830

■ 81.7673, 87.6288,
107.2122

Harmonies

Analogous

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



56.2121, 43.2520, 16.8794



45.8794, 43.2520, 10.7808



35.7634, 43.2520, 11.0706

Triad

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



45.8794, 43.2520, 10.7808



24.9683, 43.2520, 65.0090



57.1190, 43.2520, 97.5696

Complementary

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



45.8794, 43.2520, 10.7808



23.5684, 21.8137, 75.6407

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.



46.9640, 43.2520, 124.5309



45.8794, 43.2520, 10.7808



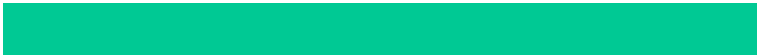
28.9881, 43.2520, 101.0174

Square

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



45.8794, 43.2520, 10.7808



24.7766, 43.2520, 35.1191



36.6826, 43.2520, 126.0044



63.3923, 43.2520, 61.5219

Rectangle

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



45.8794, 43.2520, 10.7808



30.4696, 43.2520, 14.7462



36.6826, 43.2520, 126.0044



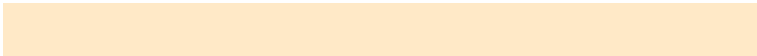
53.9767, 43.2520, 108.5479

Sweetspot

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



45.8804, 43.2542, 10.7816



80.7665, 83.8376, 65.8974



37.4877, 21.5882, 23.0302



16.9585, 17.5555, 13.1670



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.



45.8804, 43.2542, 10.7816



55.9751, 50.2279, 8.3899



55.1723, 69.1125, 15.2831



15.1094, 15.8327, 15.1641



23.9988, 20.5718, 2.7059



1.8628, 1.6990, 0.2298

Inverse Universe

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



23.5684, 21.8137, 75.6407



25.5381, 21.1317, 97.3406



19.0324, 10.9318, 73.7794



14.0373, 14.7959, 18.2604



10.2134, 7.4888, 43.2904



0.8426, 0.7291, 3.2283

Previews

White Background



This preview shows how the XYZ color 45.8794, 43.2520, 10.7808 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 45.8794, 43.2520, 10.7808 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 45.8794, 43.2520, 10.7808

Background



This preview shows how black text looks on a background with the XYZ color 45.8794, 43.2520, 10.7808.



This preview shows how white text looks on a background with the XYZ color 45.8794, 43.2520,

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

45.8794, 43.2520, 10.7808

Protanopia

39.3034, 43.1917, 11.5755

Deuteranopia

44.2311, 43.2120, 10.7121



Tritanopia

52.2788, 43.3202, 41.2036

Trichromacy



Original Color

45.8794, 43.2520, 10.7808

Protanomaly

41.4680, 43.1638, 11.3001

Deuteranomaly

44.9648, 43.3193, 10.6942

Tritanomaly

49.0781, 43.0012, 26.1354

Monochromacy



Original Color

45.8794, 43.2520, 10.7808

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.6533, 40.7476, 27.6049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8794, 43.2520, 10.7808 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(227, 164, 64)` looks like.

```
.text, #text, p{  
    color:rgb(227, 164, 64)  
}
```

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(227, 164, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 164, 64) }
```

Border

The CSS property to change the border of an element to XYZ 45.8794, 43.2520, 10.7808 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(227, 164, 64) }
```


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

```
.border{ border-color:rgb(227, 164, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 164, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 164, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 164, 64);  
box-shadow:4px 4px 4px 4px rgb(227, 164,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8794, 43.2520, 10.7808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 164, 64) }
```

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

```
.background{ background-color: rgb(227,  
164, 64) }
```

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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