

Converting Colors

XYZ(46.5153, 45.0570, 15.5226)

Have a look what the booklet for
XYZ(46.5153, 45.0570, 15.5226)
contains.

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Color

**XYZ(46.5676, 45.1420,
15.4914)**

Conversions

Conversions Part 1

Format	Color
Hex	DFAA58
RGB	223, 170, 88
RGB Percent	87%, 67%, 35%
CMY	0.1255, 0.3333, 0.6549
CMYK	0.00, 0.24, 0.61, 0.13
HSL	36°, 68%, 61%
HSV	36°, 61%, 87%
XYZ	46.5676, 45.1420, 15.4914
YIQ	176.4990, 57.9100, -14.2660

Conversions

Conversions Part 2

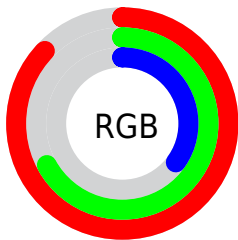
Format	Color
RYB	175, 223, 88
Decimal	14658136
CIELab	72.99, 10.61, 49.01
CIElCh	73, 50.149, 77.781
Yxy	45.1420, 0.4344, 0.4211
Android (android.graphics.Color)	4292848216 (0xFFDFAA58)
YUV	176.4990, -43.6300, 40.7814
Hunter-Lab	67.1878, 6.1390, 33.3610

Details

The XYZ color **46.5676, 45.1420, 15.4914** 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 **26.8682, 26.4510, 73.5011**, and the grayscale version is **41.7283, 43.9015, 47.8087**.

A 20% lighter version of the original color is **72.8988, 77.0039, 35.8320**, and **22.1222, 20.9830, 4.6344** is the 20% darker color. If you saturate the color by 10%, you get **44.1949, 41.6557, 10.8194**, and if you desaturate by 10%, it is **49.3342, 48.9643, 21.6891**.

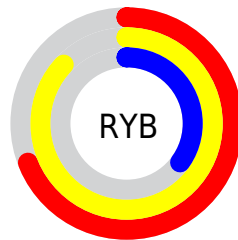
Distribution



Red (87%)

Green (67%)

Blue (35%)



Red (69%)

Yellow (87%)

Blue (35%)

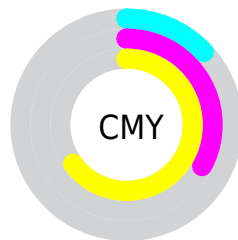


Cyan (0%)

Magenta (24%)

Yellow (61%)

Black (13%)



Cyan (13%)

Magenta (33%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5676, 45.1420, 15.4914 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 46.5676, 45.1420, 15.4914 by changing the saturation by 10% instead.

46.5676, 45.1420,
15.4914

46.5676, 45.1420,
15.4914

363.7637,
367.3484, 238.0639

32.9005, 31.5693,
9.0145

84.2905, 82.9335,
36.4674

22.2091, 21.0327,
4.6537

109.0770,
107.9210, 51.8036

14.1281, 13.1479,
1.9904

138.3006,
137.4823, 70.9300

8.2921, 7.5305,
0.5494

172.3268,
172.0016, 94.2651

4.3358, 3.7960,
0.0000

211.5208,
211.8636, 122.2276

1.8938, 1.5601,
0.0000

256.2481,

0.5732, 0.3305,

257.4524, 155.2358

0.0000

306.8739,
309.1525, 193.7084

■ 0.0000, 0.0000,
0.0000

■ 46.5676, 45.1420,
15.4914

■ 46.5676, 45.1420,
15.4914

■ 44.1949, 41.6557,
10.8194

■ 49.3342, 48.9643,
21.6891

■ 42.1840, 38.4838,
7.5292

■ 52.5170, 53.1294,
29.5335

■ 40.5021, 35.6116,
5.4535

■ 56.1398, 57.6519,
39.1363

■ 39.1596, 33.1446,
4.3336

■ 60.2237, 62.5433,
50.5986

■ 64.7883, 67.8144,
64.0137

■ 69.8517, 73.4754,
79.4688

■ 75.4312, 79.5363,
97.0455

■ 79.6523, 85.2500,
106.8645

■ 82.2924, 90.5302,
107.7445

Harmonies

Analogous

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



55.2378, 45.1420, 21.4003



46.5676, 45.1420, 15.4914



37.9692, 45.1420, 16.0588

Triad

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



46.5676, 45.1420, 15.4914



28.7928, 45.1420, 65.3891



56.6157, 45.1420, 89.1749

Complementary

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



46.5676, 45.1420, 15.4914



26.8682, 26.4510, 73.5011

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.



48.2535, 45.1420, 110.8164



46.5676, 45.1420, 15.4914



32.5616, 45.1420, 94.1854

Square

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



46.5676, 45.1420, 15.4914



28.4700, 45.1420, 39.6401



39.4418, 45.1420, 112.9108



61.5460, 45.1420, 60.0753

Rectangle

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



46.5676, 45.1420, 15.4914



33.3993, 45.1420, 20.0515



39.4418, 45.1420, 112.9108



54.0647, 45.1420, 97.9355

Sweetspot

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



46.5687, 45.1442, 15.4923



83.0399, 86.4263, 72.6918



38.8038, 24.6207, 28.2987



17.4027, 18.0638, 14.4869



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.



46.5687, 45.1442, 15.4923



59.0224, 55.1135, 13.1330



54.5852, 67.1080, 19.3092



14.3966, 15.0791, 14.4586



23.1384, 19.7147, 2.5858



1.6903, 1.5394, 0.2080

Inverse Universe

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



26.8682, 26.4510, 73.5011



30.1553, 27.8030, 98.3849



22.2323, 15.1033, 71.5551



13.3912, 14.1215, 17.4076



9.9639, 7.3974, 41.9511



0.7760, 0.6835, 2.9363

Previews

White Background



This preview shows how the XYZ color 46.5676, 45.1420, 15.4914 looks on a white background.

Color Contrast Check

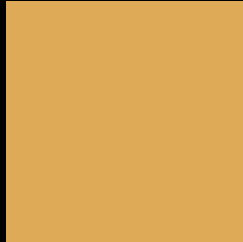
Large Text (above 18pt) WCAG AA × Fail

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 46.5676, 45.1420, 15.4914 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 46.5676, 45.1420, 15.4914

Background



This preview shows how black text looks on a background with the XYZ color 46.5676, 45.1420, 15.4914.



This preview shows how white text looks on a background with the XYZ color 46.5676, 45.1420,

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

46.5676, 45.1420, 15.4914

Protanopia

41.4983, 45.4036, 16.4741

Deuteranopia

46.1432, 45.2026, 15.5255



Tritanopia

52.7468, 44.9817, 45.4374

Trichromacy



Original Color

46.5676, 45.1420, 15.4914

Protanomaly

43.1029, 45.0543, 16.0974

Deuteranomaly

46.4486, 45.3600, 15.5398

Tritanomaly

49.8365, 44.8348, 31.6185

Monochromacy



Original Color

46.5676, 45.1420, 15.4914

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.4950, 43.7858, 32.9998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5676, 45.1420, 15.4914 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(223, 170, 88)` looks like.

```
.text, #text, p{  
    color:rgb(223, 170, 88)  
}
```

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(223, 170, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 170, 88) }
```

Border

The CSS property to change the border of an element to XYZ 46.5676, 45.1420, 15.4914 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(223, 170, 88) }
```


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

```
.border{ border-color:rgb(223, 170, 88) }
```

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

Here you see how a box with a 4 pixel rgb(223, 170, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 170, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 170, 88);  
box-shadow:4px 4px 4px 4px rgb(223, 170,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5676, 45.1420, 15.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 170, 88) }
```

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

```
.background{ background-color: rgb(223,  
170, 88) }
```

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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