

Converting Colors

XYZ(45.9076, 45.0975, 14.9719)

Have a look what the booklet for
XYZ(45.9076, 45.0975, 14.9719)
contains.

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Color

**XYZ(46.0214, 45.1538,
14.8843)**

Conversions

Conversions Part 1

Format	Color
Hex	DDAB55
RGB	221, 171, 85
RGB Percent	87%, 67%, 33%
CMY	0.1333, 0.3294, 0.6667
CMYK	0.00, 0.23, 0.62, 0.13
HSL	38°, 67%, 60%
HSV	38°, 62%, 87%
XYZ	46.0214, 45.1538, 14.8843
YIQ	176.1460, 57.4060, -16.1460

Conversions

Conversions Part 2

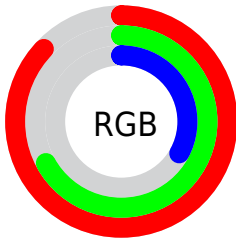
Format	Color
RYB	164, 221, 85
Decimal	14527317
CIELab	72.99, 9.03, 50.41
CIELCh	73, 51.212, 79.840
Yxy	45.1538, 0.4339, 0.4257
Android (android.graphics.Color)	4292717397 (0xFFDDAB55)
YUV	176.1460, -44.9350, 39.3370
Hunter-Lab	67.1966, 4.6566, 33.9046

Details

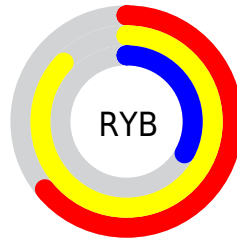
The XYZ color **46.0214, 45.1538, 14.8843** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.4611, 24.4788, 71.7893**, and the grayscale version is **41.5502, 43.7140, 47.6046**.

A 20% lighter version of the original color is **72.9517, 77.4589, 34.7730**, and **21.7716, 20.9848, 4.3418** is the 20% darker color. If you saturate the color by 10%, you get **43.7893, 41.8822, 10.4645**, and if you desaturate by 10%, it is **48.6241, 48.7281, 20.7809**.

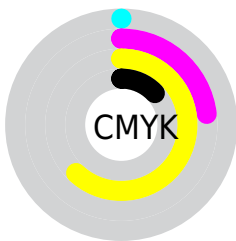
Distribution



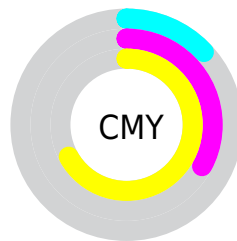
- Red (87%)
- Green (67%)
- Blue (33%)



- Red (64%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (23%)
- Yellow (62%)
- Black (13%)



- Cyan (13%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0214, 45.1538, 14.8843 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 46.0214, 45.1538, 14.8843 by changing the saturation by 10% instead.


 46.0214, 45.1538,
14.8843


 46.0214, 45.1538,
14.8843


361.6092,
367.3961, 234.2815


 32.4674, 31.5786,
8.5925


 83.4787, 82.9512,
35.3895


 21.8760, 21.0398,
4.3832


 108.1127,
107.9421, 50.4400


 13.8819, 13.1531,
1.8378


 137.1708,
137.5071, 69.2471

 8.1197, 7.5341,
0.4527

 171.0182,
172.0304, 92.2295

 4.2241, 3.7983,
0.0000

 210.0204,
211.8966, 119.8055

 1.8297, 1.5614,
0.0000

254.5428,

 0.5355, 0.3313,

257.4901, 152.3938

0.0000

304.9505,
309.1951, 190.4130

■ 0.0000, 0.0000,
0.0000

■ 46.0214, 45.1538,
14.8843

■ 46.0214, 45.1538,
14.8843

■ 43.7893, 41.8822,
10.4645

■ 48.6241, 48.7281,
20.7809

■ 41.8965, 38.8928,
7.3787

■ 51.6189, 52.6110,
28.2738

■ 40.3105, 36.1717,
5.4601

■ 55.0291, 56.8162,
37.4734

■ 39.1614, 34.0576,
4.5097

■ 58.8753, 61.3544,
48.4791

■ 63.1761, 66.2354,
61.3830

■ 67.9494, 71.4689,
76.2707

■ 73.2116, 77.0636,
93.2224

■ 77.8638, 82.5824,
106.4439

■ 80.2564, 87.3676,
107.2414

Harmonies

Analogous

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



54.9850, 45.1538, 20.3227



46.0214, 45.1538, 14.8843



37.3437, 45.1538, 15.8749

Triad

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



46.0214, 45.1538, 14.8843



28.6939, 45.1538, 67.8370



57.4402, 45.1538, 88.2379

Complementary

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



46.0214, 45.1538, 14.8843



25.4611, 24.4788, 71.7893

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.



49.0197, 45.1538, 111.5312



46.0214, 45.1538, 14.8843



32.7587, 45.1538, 97.2006

Square

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



46.0214, 45.1538, 14.8843



28.1237, 45.1538, 40.9823



39.9561, 45.1538, 115.2846



62.1579, 45.1538, 58.3698

Rectangle

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



46.0214, 45.1538, 14.8843



32.8201, 45.1538, 20.2249



39.9561, 45.1538, 115.2846



54.8983, 45.1538, 97.4791

Sweetspot

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



46.0225, 45.1560, 14.8852



83.3725, 87.0913, 72.8026



37.5924, 23.6795, 26.3069



17.4840, 18.2266, 14.5141



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.



46.0225, 45.1560, 14.8852



59.7137, 56.6199, 12.9822



52.7098, 65.3667, 18.4338



13.7389, 14.4172, 13.7843



22.8611, 20.0078, 2.6570



1.5622, 1.4586, 0.1992

Inverse Universe

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



25.4611, 24.4788, 71.7893



29.0745, 25.9036, 98.0752



21.6519, 14.4770, 70.0595



12.7287, 13.3972, 16.5672



9.4006, 6.6706, 40.5305



0.6897, 0.5934, 2.6526

Previews

White Background



This preview shows how the XYZ color 46.0214, 45.1538, 14.8843 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 46.0214, 45.1538, 14.8843 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 46.0214, 45.1538, 14.8843

Background



This preview shows how black text looks on a background with the XYZ color 46.0214, 45.1538, 14.8843.



This preview shows how white text looks on a background with the XYZ color 46.0214, 45.1538,

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

46.0214, 45.1538, 14.8843

Protanopia

41.6359, 45.4892, 15.8184

Deuteranopia

46.0214, 45.1538, 14.8843



Tritanopia

52.3798, 45.0397, 45.9772

Trichromacy



Original Color

46.0214, 45.1538, 14.8843

Protanomaly

43.1746, 45.3978, 15.5039

Deuteranomaly

46.0214, 45.1538, 14.8843

Tritanomaly

49.3890, 44.8708, 31.6490

Monochromacy



Original Color

46.0214, 45.1538, 14.8843

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.8322, 43.4617, 32.1708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0214, 45.1538, 14.8843 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(221, 171, 85)` looks like.

```
.text, #text, p{  
  color:rgb(221, 171, 85)  
}
```

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(221, 171, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 171, 85) }
```

Border

The CSS property to change the border of an element to XYZ 46.0214, 45.1538, 14.8843 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(221, 171, 85) }
```


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

```
.border{ border-color:rgb(221, 171, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 171, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 171, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 171, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 171,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0214, 45.1538, 14.8843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 171, 85) }
```

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

```
.background{ background-color: rgb(221,  
171, 85) }
```

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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