

Converting Colors

XYZ(46.8082, 47.0483, 15.3822)

Have a look what the booklet for
XYZ(46.8082, 47.0483, 15.3822)
contains.

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Color

**XYZ(46.7202, 46.9382,
15.4017)**

Conversions

Conversions Part 1

Format	Color
Hex	DCB056
RGB	220, 176, 86
RGB Percent	86%, 69%, 34%
CMY	0.1373, 0.3098, 0.6627
CMYK	0.00, 0.20, 0.61, 0.14
HSL	40°, 66%, 60%
HSV	40°, 61%, 86%
XYZ	46.7202, 46.9382, 15.4017
YIQ	178.8960, 55.1140, -18.6620

Conversions

Conversions Part 2

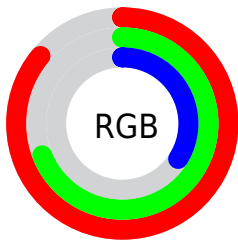
Format	Color
RYB	152, 220, 86
Decimal	14463062
CIELab	74.15, 6.02, 51.22
CIELCh	74, 51.577, 83.294
Yxy	46.9382, 0.4284, 0.4304
Android (android.graphics.Color)	4292653142 (0xFFDCB056)
YUV	178.8960, -45.7977, 36.0482
Hunter-Lab	68.5115, 1.8299, 34.6293

Details

The XYZ color **46.7202, 46.9382, 15.4017** 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 **24.7383, 23.1100, 70.8665**, and the grayscale version is **43.0091, 45.2489, 49.2761**.

A 20% lighter version of the original color is **74.4761, 80.2759, 35.9956**, and **22.3967, 22.2122, 4.6203** is the 20% darker color. If you saturate the color by 10%, you get **44.5881, 43.8810, 10.9707**, and if you desaturate by 10%, it is **49.2026, 50.2598, 21.2960**.

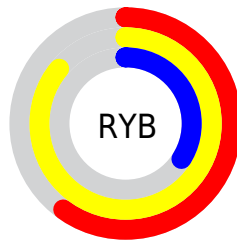
Distribution



Red (86%)

Green (69%)

Blue (34%)



Red (60%)

Yellow (86%)

Blue (34%)

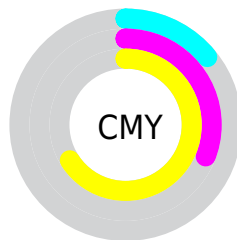


Cyan (0%)

Magenta (20%)

Yellow (61%)

Black (14%)



Cyan (14%)


Magenta (31%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7202, 46.9382, 15.4017 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 46.7202, 46.9382, 15.4017 by changing the saturation by 10% instead.


 46.7202, 46.9382,
15.4017


 46.7202, 46.9382,
15.4017


364.3642,
374.5678, 237.5088


 33.0215, 32.9868,
8.9520


 84.5171, 85.6214,
36.3086


 22.3023, 22.1163,
4.6135


 109.3461,
111.1219, 51.6029


 14.1970, 13.9424,
1.9676


 138.6158,
141.2410, 70.6825

 8.3404, 8.0806,
0.5352

 172.6917,
176.3630, 93.9659

 4.3672, 4.1466,
0.0000

 211.9392,
216.8722, 121.8717

 1.9119, 1.7559,
0.0000

256.7235,

 0.5837, 0.4595,

263.1532, 154.8185

0.0000

307.4100,
315.5903, 193.2246

■ 0.0000, 0.0000,
0.0000

■ 46.7202, 46.9382,
15.4017

■ 46.7202, 46.9382,
15.4017

■ 44.5881, 43.8810,
10.9707

■ 49.2026, 50.2598,
21.2960

■ 42.7759, 41.0687,
7.8633

■ 52.0559, 53.8503,
28.7705

■ 41.2526, 38.4887,
5.9168

■ 55.3025, 57.7223,
37.9336

■ 40.0688, 36.3232,
4.8992

■ 58.9621, 61.8853,
48.8831

■ 63.0527, 66.3485,
61.7093

■ 67.5914, 71.1201,
76.4964

■ 72.5942, 76.2083,
93.3234

■ 76.9279, 81.1614,
106.2189

■ 79.0239, 85.3535,
106.9176

Harmonies

Analogous

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



56.0963, 46.9382, 20.2078



46.7202, 46.9382, 15.4017



37.9506, 46.9382, 17.1732

Triad

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



46.7202, 46.9382, 15.4017



30.2050, 46.9382, 73.9824



60.4249, 46.9382, 87.9477

Complementary

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



46.7202, 46.9382, 15.4017



24.7383, 23.1100, 70.8665

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.



52.0136, 46.9382, 113.5271



46.7202, 46.9382, 15.4017



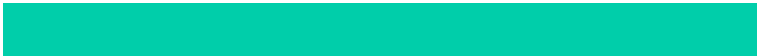
34.8152, 46.9382, 103.7098

Square

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



46.7202, 46.9382, 15.4017



29.1937, 46.9382, 45.3937



42.5708, 46.9382, 120.1183



64.6846, 46.9382, 57.2822

Rectangle

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



46.7202, 46.9382, 15.4017



33.5065, 46.9382, 22.3007



42.5708, 46.9382, 120.1183



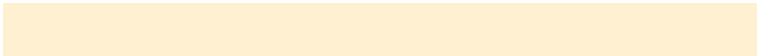
57.9378, 46.9382, 97.8021

Sweetspot

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



46.7213, 46.9405, 15.4026



83.9006, 88.1475, 72.9787



36.9173, 23.5013, 23.9455



17.6135, 18.4854, 14.5572



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.



46.7213, 46.9405, 15.4026



61.5755, 60.2197, 13.9840



50.4737, 63.8184, 18.4626



13.7832, 14.5058, 13.7990



23.6219, 21.5293, 2.9106



1.6078, 1.5497, 0.2144

Inverse Universe

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



24.7383, 23.1100, 70.8665



28.4717, 24.4360, 97.8237



22.4714, 15.0325, 69.4268



12.6861, 13.3120, 16.5530



9.0413, 5.9520, 40.4107



0.6630, 0.5401, 2.6437

Previews

White Background



This preview shows how the XYZ color 46.7202, 46.9382, 15.4017 looks on a white background.

Color Contrast Check

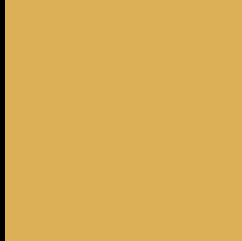
Large Text (above 18pt) WCAG AA × Fail

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 46.7202, 46.9382, 15.4017 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 46.7202, 46.9382, 15.4017

Background



This preview shows how black text looks on a background with the XYZ color 46.7202, 46.9382, 15.4017.



This preview shows how white text looks on a background with the XYZ color 46.7202, 46.9382,

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

46.7202, 46.9382, 15.4017

Protanopia

43.0521, 47.1281, 16.0601

Deuteranopia

47.9077, 46.9678, 15.5575



Tritanopia

53.4515, 46.8580, 48.8751

Trichromacy



Original Color

46.7202, 46.9382, 15.4017

Protanomaly

44.3361, 46.8859, 15.7300

Deuteranomaly

47.4817, 47.0360, 15.5931

Tritanomaly

50.2260, 46.6411, 33.1435

Monochromacy



Original Color

46.7202, 46.9382, 15.4017

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.2794, 45.3545, 33.2613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7202, 46.9382, 15.4017 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(220, 176, 86)` looks like.

```
.text, #text, p{  
    color:rgb(220, 176, 86)  
}
```

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(220, 176, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 176, 86) }
```

Border

The CSS property to change the border of an element to XYZ 46.7202, 46.9382, 15.4017 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(220, 176, 86) }
```


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

```
.border{ border-color:rgb(220, 176, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 176, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 176, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 176, 86);  
box-shadow:4px 4px 4px 4px rgb(220, 176,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7202, 46.9382, 15.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 176, 86) }
```

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

```
.background{ background-color: rgb(220,  
176, 86) }
```

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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