

Converting Colors

XYZ(45.3951, 46.2359, 16.2047)

Have a look what the booklet for
XYZ(45.3951, 46.2359, 16.2047)
contains.

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Color

**XYZ(45.3951, 46.2359,
16.2047)**

Conversions

Conversions Part 1

Format	Color
Hex	D7B05A
RGB	215, 176, 90
RGB Percent	84%, 69%, 35%
CMY	0.1569, 0.3098, 0.6470
CMYK	0.00, 0.18, 0.58, 0.16
HSL	41°, 61%, 60%
HSV	41°, 58%, 84%
XYZ	45.3951, 46.2359, 16.2047
YIQ	177.8570, 50.8500, -18.4780

Conversions

Conversions Part 2

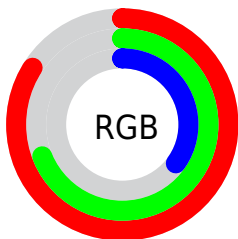
Format	Color
RYB	147, 215, 90
Decimal	14135386
CIELab	73.70, 4.20, 48.66
CIELCh	74, 48.846, 85.062
Yxy	46.2359, 0.4210, 0.4288
Android (android.graphics.Color)	4292325466 (0xFFD7B05A)
YUV	177.8570, -43.3135, 32.5744
Hunter-Lab	67.9970, 0.1727, 33.4682

Details

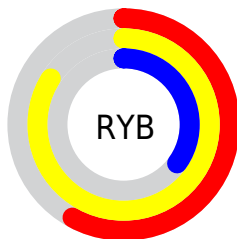
The XYZ color **45.3951, 46.2359, 16.2047** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.3321, 22.7796, 67.4041**, and the grayscale version is **42.4453, 44.6557, 48.6301**.

A 20% lighter version of the original color is **74.6984, 80.3648, 37.1661**, and **21.4785, 21.7299, 4.9817** is the 20% darker color. If you saturate the color by 10%, you get **43.3266, 43.3577, 11.6349**, and if you desaturate by 10%, it is **47.7955, 49.3544, 22.1916**.

Distribution



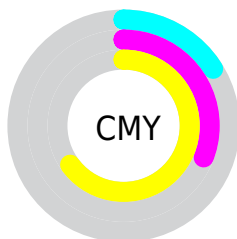
- Red (84%)
- Green (69%)
- Blue (35%)



- Red (58%)
- Yellow (84%)
- Blue (35%)



- Cyan (0%)
- Magenta (18%)
- Yellow (58%)
- Black (16%)



- Cyan (16%)
- Magenta (31%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3951, 46.2359, 16.2047 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 45.3951, 46.2359, 16.2047 by changing the saturation by 10% instead.

45.3951, 46.2359,
16.2047

45.3951, 46.2359,
16.2047

359.1282,
371.7562, 242.4334

31.9713, 32.4320,
9.5132

82.5464, 84.5719,
37.7249

21.4951, 21.6917,
4.9761

107.0047,
109.8729, 53.3907

13.6009, 13.6305,
2.1747

135.8718,
139.7749, 72.8851

7.9234, 7.8642,
0.6597

169.5132,
174.6626, 96.6265

4.0974, 4.0081,
0.0000

208.2942,
214.9201, 125.0335

1.7574, 1.6781,
0.0000

252.5801,

0.4918, 0.4094,

260.9320, 158.5246

0.0000

302.7363,
313.0825, 197.5184

■ 0.0000, 0.0000,
0.0000

■ 45.3951, 46.2359,
16.2047

■ 45.3951, 46.2359,
16.2047

■ 43.3266, 43.3577,
11.6349

■ 47.7955, 49.3544,
22.1916

■ 41.5621, 40.7018,
8.3553

■ 50.5460, 52.7166,
29.7024

■ 40.0742, 38.2575,
6.2207

■ 53.6674, 56.3340,
38.8366

■ 38.8216, 36.0068,
5.0188

■ 57.1776, 60.2152,
49.6846

■ 38.6029, 35.6045,
4.8378

■ 61.0933, 64.3682,
62.3299

■ 65.4301, 68.8006,
76.8506

■ 70.2028, 73.5196,
93.3203

■ 74.2771, 78.0728,
105.7625

■ 76.1761, 81.8708,
106.3955

Harmonies

Analogous

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



54.1912, 46.2359, 20.4898



45.3951, 46.2359, 16.2047



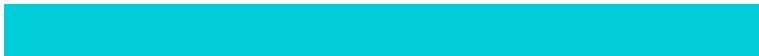
37.2612, 46.2359, 18.3166

Triad

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



45.3951, 46.2359, 16.2047



30.5189, 46.2359, 73.3734



59.0628, 46.2359, 82.8999

Complementary

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



45.3951, 46.2359, 16.2047



24.3321, 22.7796, 67.4041

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.



51.3856, 46.2359, 107.0946



45.3951, 46.2359, 16.2047



35.0807, 46.2359, 100.4459

Square

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



45.3951, 46.2359, 16.2047



29.3528, 46.2359, 46.3479



42.5278, 46.2359, 114.3901



62.7162, 46.2359, 54.5614

Rectangle

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



45.3951, 46.2359, 16.2047



33.1785, 46.2359, 23.6076



42.5278, 46.2359, 114.3901



56.8219, 46.2359, 92.1117

Sweetspot

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



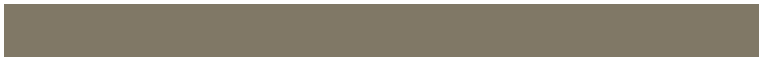
45.3962, 46.2381, 16.2056



84.6761, 89.1890, 74.8084



35.6820, 23.3603, 23.6016



17.8872, 18.8336, 15.2629



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.



45.3962, 46.2381, 16.2056



63.0581, 62.7810, 15.7234



47.9052, 60.5562, 18.8370



13.1308, 13.8359, 13.1392



23.1877, 21.4927, 2.9264



1.4709, 1.4410, 0.2006

Inverse Universe

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



24.3321, 22.7796, 67.4041



29.3467, 25.3297, 97.9501



22.7216, 15.7243, 66.1272



12.0555, 12.6345, 15.7408



8.6231, 5.5080, 39.0618



0.5932, 0.4784, 2.3804

Previews

White Background



This preview shows how the XYZ color 45.3951, 46.2359, 16.2047 looks on a white background.

Color Contrast Check

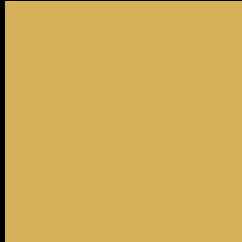
Large Text (above 18pt) WCAG AA × Fail

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 45.3951, 46.2359, 16.2047 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 45.3951, 46.2359, 16.2047

Background



This preview shows how black text looks on a background with the XYZ color 45.3951, 46.2359, 16.2047.



This preview shows how white text looks on a background with the XYZ color 45.3951, 46.2359,

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

45.3951, 46.2359, 16.2047

Protanopia

42.2751, 46.0998, 16.7952

Deuteranopia

47.2633, 46.3304, 16.3492



Tritanopia

52.2043, 46.2151, 48.8168

Trichromacy



Original Color

45.3951, 46.2359, 16.2047

Protanomaly

43.1853, 45.9747, 16.4954

Deuteranomaly

46.5396, 46.2431, 16.3704

Tritanomaly

49.1564, 46.0717, 33.9057

Monochromacy



Original Color

45.3951, 46.2359, 16.2047

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.3963, 44.5960, 33.5675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3951, 46.2359, 16.2047 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(215, 176, 90)` looks like.

```
.text, #text, p{  
    color:rgb(215, 176, 90)  
}
```

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(215, 176, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 176, 90) }
```

Border

The CSS property to change the border of an element to XYZ 45.3951, 46.2359, 16.2047 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(215, 176, 90) }
```


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

```
.border{ border-color:rgb(215, 176, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 176, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 176, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 176, 90);  
box-shadow:4px 4px 4px 4px rgb(215, 176,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3951, 46.2359, 16.2047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 176, 90) }
```

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

```
.background{ background-color: rgb(215,  
176, 90) }
```

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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