

Converting Colors

XYZ(47.1437, 47.4769, 15.4474)

Have a look what the booklet for
XYZ(47.1437, 47.4769, 15.4474)
contains.

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Color

**XYZ(47.2206, 47.4883,
15.4815)**

Conversions

Conversions Part 1

Format	Color
Hex	DDB156
RGB	221, 177, 86
RGB Percent	87%, 69%, 34%
CMY	0.1333, 0.3059, 0.6627
CMYK	0.00, 0.20, 0.61, 0.13
HSL	40°, 67%, 60%
HSV	40°, 61%, 87%
XYZ	47.2206, 47.4883, 15.4815
YIQ	179.7820, 55.4350, -18.9730

Conversions

Conversions Part 2

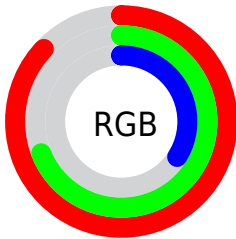
Format	Color
RYB	151, 221, 86
Decimal	14528854
CIELab	74.50, 5.91, 51.65
CIELCh	75, 51.987, 83.467
Yxy	47.4883, 0.4285, 0.4310
Android (android.graphics.Color)	4292718934 (0xFFDDB156)
YUV	179.7820, -46.2345, 36.1482
Hunter-Lab	68.9118, 1.7185, 34.9183

Details

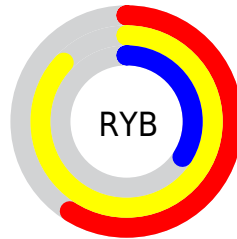
The XYZ color **47.2206, 47.4883, 15.4815** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.8712, 23.1632, 71.5662**, and the grayscale version is **43.4858, 45.7505, 49.8223**.

A 20% lighter version of the original color is **74.7568, 80.8373, 36.0892**, and **22.7266, 22.5693, 4.6719** is the 20% darker color. If you saturate the color by 10%, you get **45.0792, 44.4171, 11.0334**, and if you desaturate by 10%, it is **49.7145, 50.8244, 21.4059**.

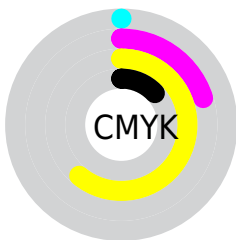
Distribution



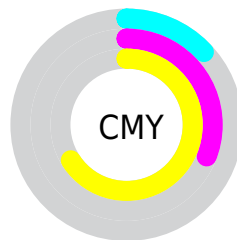
- Red (87%)
- Green (69%)
- Blue (34%)



- Red (59%)
- Yellow (87%)
- Blue (34%)



- Cyan (0%)
- Magenta (20%)
- Yellow (61%)
- Black (13%)



- Cyan (13%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2206, 47.4883, 15.4815 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 47.2206, 47.4883, 15.4815 by changing the saturation by 10% instead.

■ 47.2206, 47.4883,
15.4815

■ 47.2206, 47.4883,
15.4815

366.3286,
376.7603, 238.0027

■ 33.4188, 33.4218,
9.0076

■ 85.2596, 86.4420,
36.4499

■ 22.6082, 22.4498,
4.6493

■ 110.2274,
112.0981, 51.7815

■ 14.4236, 14.1878,
1.9879

■ 139.6479,
142.3862, 70.9027

■ 8.4995, 8.2514,
0.5478

■ 173.8865,
177.6906, 94.2321

■ 4.4707, 4.2562,
0.0000

■ 213.3085,
218.3959, 122.1883

■ 1.9717, 1.8179,
0.0000

258.2793,

■ 0.6180, 0.4983,

264.8863, 155.1898

0.0000

309.1642,
317.5463, 193.6551

■ 0.0000, 0.0000,
0.0000

■ 47.2206, 47.4883,
15.4815

■ 47.2206, 47.4883,
15.4815

■ 45.0792, 44.4171,
11.0334

■ 49.7145, 50.8244,
21.4059

■ 43.2596, 41.5910,
7.9199

■ 52.5818, 54.4299,
28.9251

■ 41.7302, 38.9975,
5.9759

■ 55.8452, 58.3175,
38.1489

■ 40.5627, 36.8603,
4.9769

■ 59.5244, 62.4969,
49.1763

■ 63.6380, 66.9771,
62.0987

■ 68.2030, 71.7666,
77.0014

■ 73.2355, 76.8735,
93.9643

■ 77.4689, 81.7926,
106.3122

■ 79.5684, 85.9917,
107.0121

Harmonies

Analogous

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



56.7532, 47.4883, 20.3049



47.2206, 47.4883, 15.4815



38.3247, 47.4883, 17.3122

Triad

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



47.2206, 47.4883, 15.4815



30.5242, 47.4883, 75.1387



61.2442, 47.4883, 88.9767

Complementary

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



47.2206, 47.4883, 15.4815



24.8712, 23.1632, 71.5662

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.



52.7105, 47.4883, 115.0773



47.2206, 47.4883, 15.4815



35.2236, 47.4883, 105.3424

Square

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



47.2206, 47.4883, 15.4815



29.4768, 47.4883, 46.0468



43.1141, 47.4883, 121.9234



65.5432, 47.4883, 57.8123

Rectangle

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



47.2206, 47.4883, 15.4815



33.8253, 47.4883, 22.5367



43.1141, 47.4883, 121.9234



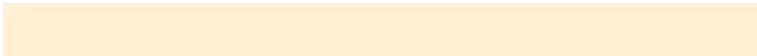
58.7234, 47.4883, 99.0162

Sweetspot

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



47.2217, 47.4906, 15.4824



83.9334, 88.2132, 72.9896



37.2434, 23.6668, 24.0785



17.6216, 18.5016, 14.5599



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.



47.2217, 47.4906, 15.4824



61.6763, 60.4213, 14.0176



50.9568, 64.4583, 18.5607



13.7860, 14.5113, 13.7999



23.6708, 21.6272, 2.9269



1.6107, 1.5555, 0.2153

Inverse Universe

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



24.8712, 23.1632, 71.5662



28.4117, 24.3159, 97.8037



22.6247, 15.0962, 70.1275



12.6835, 13.3067, 16.5521



9.0205, 5.9105, 40.4038



0.6614, 0.5369, 2.6432

Previews

White Background



This preview shows how the XYZ color 47.2206, 47.4883, 15.4815 looks on a white background.

Color Contrast Check

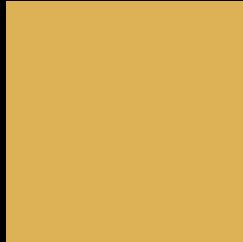
Large Text (above 18pt) WCAG AA × Fail

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 47.2206, 47.4883, 15.4815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

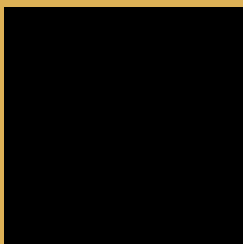
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2206, 47.4883, 15.4815

Background



This preview shows how black text looks on a background with the XYZ color 47.2206, 47.4883, 15.4815.



This preview shows how white text looks on a background with the XYZ color 47.2206, 47.4883,

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

47.2206, 47.4883, 15.4815

Protanopia

43.5305, 47.6821, 16.1418

Deuteranopia

48.7288, 47.6790, 15.6515



Tritanopia

54.3700, 47.5907, 49.5003

Trichromacy



Original Color

47.2206, 47.4883, 15.4815

Protanomaly

44.8225, 47.4375, 15.8108

Deuteranomaly

48.2970, 47.7463, 15.6873

Tritanomaly

51.1152, 47.3699, 33.6434

Monochromacy



Original Color

47.2206, 47.4883, 15.4815

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.8141, 45.9176, 33.7479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2206, 47.4883, 15.4815 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, 177, 86)` looks like.

```
.text, #text, p{  
    color:rgb(221, 177, 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(221, 177, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 177, 86) }
```

Border

The CSS property to change the border of an element to XYZ 47.2206, 47.4883, 15.4815 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, 177, 86) }
```


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

```
.border{ border-color:rgb(221, 177, 86) }
```

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

Here you see how a box with a 4 pixel rgb(221, 177, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 177, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 177, 86);  
box-shadow:4px 4px 4px 4px rgb(221, 177,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2206, 47.4883, 15.4815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 177, 86) }
```

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

```
.background{ background-color: rgb(221,  
177, 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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