

Converting Colors

$Yxy(46.6467, 0.4195, 0.4288)$

Have a look what the booklet for
Yxy(46.6467, 0.4195, 0.4288)
contains.

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Color

Yxy(46.6467, 0.4195, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	D7B15B
RGB	215, 177, 91
RGB Percent	84%, 69%, 36%
CMY	0.1569, 0.3059, 0.6430
CMYK	0.00, 0.18, 0.58, 0.16
HSL	42°, 61%, 60%
HSV	42°, 58%, 84%
XYZ	45.6350, 46.6467, 16.5026
YIQ	178.5580, 50.2540, -18.6900

Conversions

Conversions Part 2

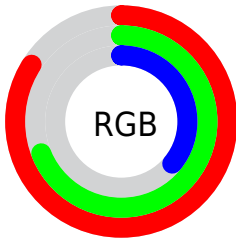
Format	Color
RYB	146, 215, 91
Decimal	14135643
CIELab	73.96, 3.75, 48.48
CIELCh	74, 48.620, 85.577
Yxy	46.6467, 0.4195, 0.4288
Android (android.graphics.Color)	4292325723 (0xFFD7B15B)
YUV	178.5580, -43.1661, 31.9596
Hunter-Lab	68.2984, -0.2537, 33.4829

Details

The Yxy color **46.6467, 0.4195, 0.4288** 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 **22.8380, 0.2131, 0.1991**, and the grayscale version is **45.0482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9564, 0.3875, 0.4180**, and **21.9885, 0.4438, 0.4513** is the 20% darker color. If you saturate the color by 10%, you get **43.7889, 0.4391, 0.4413**, and if you desaturate by 10%, it is **49.7410, 0.3992, 0.4134**.

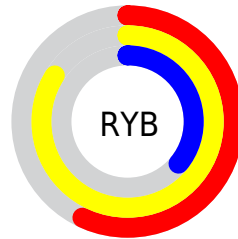
Distribution



Red (84%)

Green (69%)

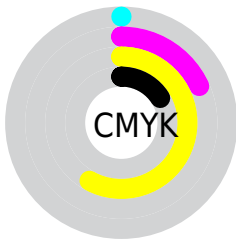
Blue (36%)



Red (57%)

Yellow (84%)

Blue (36%)

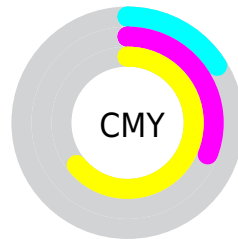


Cyan (0%)

Magenta (18%)

Yellow (58%)

Black (16%)



Cyan (16%)


Magenta (31%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6467, 0.4195, 0.4288 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 Yxy color 46.6467, 0.4195, 0.4288 by changing the saturation by 10% instead.


 46.6467, 0.4195,
0.4288


 46.6467, 0.4195,
0.4288


373.4025, 0.3683,
0.3819


 32.7564, 0.4309,
0.4389


 85.1860, 0.4018,
0.4128

 21.9399, 0.4444,
0.4506


 110.6039, 0.3948,
0.4065

 13.8128, 0.4604,
0.4639


 140.6330, 0.3889,
0.4010

 7.9906, 0.4791,
0.4787

 175.6579, 0.3836,
0.3962

 4.0889, 0.5035,
0.4965

216.0629, 0.3791,
0.3920

 1.7234, 0.5088,
0.4912

262.2324, 0.3751,

 0.4388, 0.5368,

0.3882

0.4632

314.5508, 0.3715,
0.3849

0.0000, 0.0000,
0.0000

46.6467, 0.4195,
0.4288

46.6467, 0.4195,
0.4288

43.7889, 0.4391,
0.4413

49.7410, 0.3992,
0.4134

41.1497, 0.4569,
0.4498

53.0749, 0.3790,
0.3961

38.7186, 0.4721,
0.4534

56.6599, 0.3596,
0.3780

36.4785, 0.4842,
0.4522

60.5045, 0.3413,
0.3598

35.9757, 0.4869,
0.4516

64.6164, 0.3245,
0.3420

■ 69.0033, 0.3093,
0.3251

■ 73.6722, 0.2955,
0.3093

■ 78.1020, 0.2878,
0.3025

■ 81.8329, 0.2881,
0.3095

Harmonies

Analogous

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



46.6467, 0.4470, 0.3830



46.6467, 0.4195, 0.4288



46.6467, 0.3646, 0.4533

Triad

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



46.6467, 0.4195, 0.4288



46.6467, 0.2036, 0.3071



46.6467, 0.3150, 0.2467

Complementary

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



46.6467, 0.4195, 0.4288



22.8380, 0.2131, 0.1991

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.



46.6467, 0.2524, 0.2267



46.6467, 0.4195, 0.4288



46.6467, 0.1938, 0.2543

Square

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



46.6467, 0.4195, 0.4288



46.6467, 0.2404, 0.3776



46.6467, 0.2105, 0.2280



46.6467, 0.3841, 0.2838

Rectangle

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



46.6467, 0.4195, 0.4288



46.6467, 0.3209, 0.4474



46.6467, 0.2105, 0.2280



46.6467, 0.2925, 0.2379

Sweetspot

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



46.6489, 0.4195, 0.4288



89.3306, 0.3405, 0.3589



23.5534, 0.4302, 0.2829



18.8672, 0.3440, 0.3626



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6489, 0.4195, 0.4288



63.6352, 0.4428, 0.4433



60.5963, 0.3760, 0.4747



13.8477, 0.3274, 0.3451



21.7140, 0.4856, 0.4526



1.4530, 0.4715, 0.4638

Inverse Universe

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



22.8380, 0.2131, 0.1991



25.6516, 0.1935, 0.1673



15.9548, 0.2182, 0.1519



12.6232, 0.2982, 0.3124



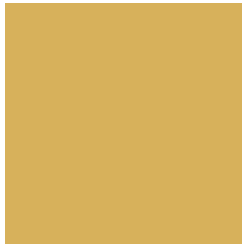
5.4227, 0.1617, 0.1022



0.4722, 0.1715, 0.1372

Previews

White Background



This preview shows how the Yxy color 46.6467, 0.4195, 0.4288 looks on a white background.

Color Contrast Check

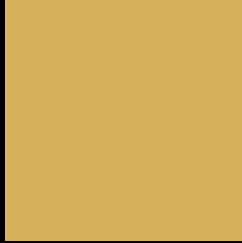
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.6467, 0.4195, 0.4288 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](#).

Yxy 46.6467, 0.4195, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 46.6467, 0.4195, 0.4288.



This preview shows how white text looks on a background with the Yxy color 46.6467, 0.4195, 0.4288.

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

46.6467, 0.4195, 0.4288

Protanopia

46.6637, 0.4016, 0.4379

Deuteranopia

46.5071, 0.4301, 0.4201



Tritanopia

46.6207, 0.3534, 0.3139

Trichromacy



Original Color

46.6467, 0.4195, 0.4288

Protanomaly

46.5370, 0.4083, 0.4347

Deuteranomaly

46.4170, 0.4266, 0.4223

Tritanomaly

46.4796, 0.3793, 0.3567

Monochromacy



Original Color

46.6467, 0.4195, 0.4288

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1538, 0.3515, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6467, 0.4195, 0.4288 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, 177, 91)` looks like.

```
.text, #text, p{  
    color:rgb(215, 177, 91)  
}
```

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, 177, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 177, 91) }
```

Border

The CSS property to change the border of an element to Yxy 46.6467, 0.4195, 0.4288 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, 177, 91) }
```

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

```
.border{ border-color:rgb(215, 177, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 177, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 177, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 177, 91);  
box-shadow:4px 4px 4px 4px rgb(215, 177,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6467, 0.4195, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 177, 91) }
```

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

```
.background{ background-color: rgb(215,  
177, 91) }
```

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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