

Converting Colors

$Yxy(46.0686, 0.4486, 0.4662)$

Have a look what the booklet for
Yxy(46.0686, 0.4486, 0.4662)
contains.

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Color

Yxy(46.1832, 0.4485, 0.4666)

Conversions

Conversions Part 1

Format	Color
Hex	D8B126
RGB	216, 177, 38
RGB Percent	85%, 69%, 15%
CMY	0.1529, 0.3059, 0.8512
CMYK	0.00, 0.18, 0.82, 0.15
HSL	47°, 70%, 50%
HSV	47°, 82%, 85%
XYZ	44.3917, 46.1832, 8.4032
YIQ	172.8150, 67.8630, -34.9610

Conversions

Conversions Part 2

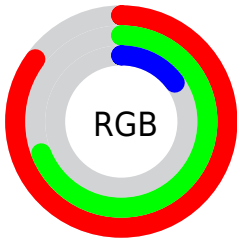
Format	Color
RYB	88, 216, 38
Decimal	14201126
CIELab	73.66, 1.45, 69.44
CIELCh	74, 69.457, 88.804
Yxy	46.1832, 0.4485, 0.4666
Android (android.graphics.Color)	4292391206 (0xFFD8B126)
YUV	172.8150, -66.4638, 37.8732
Hunter-Lab	67.9582, -2.3271, 40.2394

Details

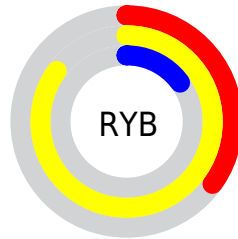
The Yxy color **46.1832, 0.4485, 0.4666** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **10.6698, 0.1709, 0.1151**, and the grayscale version is **42.0079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8363, 0.4129, 0.4562**, and **21.8353, 0.4600, 0.4729** is the 20% darker color. If you saturate the color by 10%, you get **44.2474, 0.4587, 0.4695**, and if you desaturate by 10%, it is **48.2691, 0.4354, 0.4589**.

Distribution



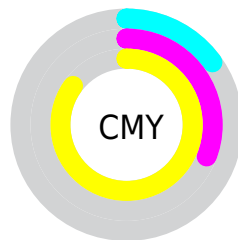
- Red (85%)
- Green (69%)
- Blue (15%)



- Red (35%)
- Yellow (85%)
- Blue (15%)



- Cyan (0%)
- Magenta (18%)
- Yellow (82%)
- Black (15%)





- Cyan (15%)
- Magenta (31%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1832, 0.4485, 0.4666 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 46.1832, 0.4485, 0.4666 by changing the saturation by 10% instead.


 46.1832, 0.4485,
0.4666

 46.1832, 0.4485,
0.4666

371.5447, 0.3879,
0.4058

 32.3904, 0.4596,
0.4775


 84.4931, 0.4292,
0.4474

 21.6599, 0.4713,
0.4887


 109.7790, 0.4211,
0.4393

 13.6072, 0.4841,
0.5008


 139.6648, 0.4138,
0.4320

 7.8480, 0.4924,
0.5076

 174.5347, 0.4074,
0.4256

 3.9978, 0.4936,
0.5064

 214.7733, 0.4017,
0.4198

 1.6723, 0.4958,
0.5042

 260.7649, 0.3966,

 0.4057, 0.5093,

0.4146

0.4907

312.8939, 0.3920,
0.4100

■ 0.0000, 0.0000,
0.0000

■ 46.1832, 0.4485,
0.4666

■ 46.1832, 0.4485,
0.4666

■ 44.2474, 0.4587,
0.4695

■ 48.2691, 0.4354,
0.4589

■ 42.8615, 0.4647,
0.4692

■ 50.5111, 0.4199,
0.4468

■ 52.9223, 0.4028,
0.4312

■ 55.5122, 0.3847,
0.4131

■ 58.2891, 0.3666,
0.3934

■ 61.2610, 0.3489,
0.3732

■ 64.4350, 0.3320,
0.3531

■ 67.8178, 0.3163,
0.3336

■ 71.4159, 0.3019,
0.3151

Harmonies

Analogous

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



46.1832, 0.4974, 0.4007



46.1832, 0.4485, 0.4666



46.1832, 0.3682, 0.5084

Triad

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



46.1832, 0.4485, 0.4666



46.1832, 0.1611, 0.2834



46.1832, 0.3244, 0.2223

Complementary

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



46.1832, 0.4485, 0.4666



10.6698, 0.1709, 0.1151

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.



46.1832, 0.2360, 0.1935



46.1832, 0.4485, 0.4666



46.1832, 0.1542, 0.2175

Square

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



46.1832, 0.4485, 0.4666



46.1832, 0.2031, 0.3871



46.1832, 0.1789, 0.1903



46.1832, 0.4240, 0.2717

Rectangle

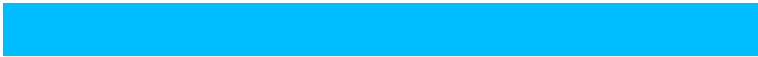
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1832, 0.4485, 0.4666



46.1832, 0.3082, 0.5013



46.1832, 0.1789, 0.1903



46.1832, 0.2921, 0.2101

Sweetspot

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



46.1855, 0.4485, 0.4666



87.9647, 0.3538, 0.3789



16.5544, 0.5428, 0.2952



18.4986, 0.3600, 0.3860



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.



46.1855, 0.4485, 0.4666



62.4369, 0.4645, 0.4689



57.6370, 0.3756, 0.5259



14.0369, 0.3272, 0.3471



25.5333, 0.4639, 0.4699



1.6570, 0.4547, 0.4772

Inverse Universe

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



10.6698, 0.1709, 0.1151



10.2471, 0.1562, 0.0817



8.2925, 0.1857, 0.0913



12.4454, 0.2982, 0.3102



4.2842, 0.1566, 0.0838



0.3831, 0.1657, 0.1163

Previews

White Background



This preview shows how the Yxy color 46.1832, 0.4485, 0.4666 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 46.1832, 0.4485, 0.4666 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 46.1832, 0.4485, 0.4666

Background



This preview shows how black text looks on a background with the Yxy color 46.1832, 0.4485, 0.4666.



This preview shows how white text looks on a background with the Yxy color 46.1832, 0.4485, 0.4666.

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

46.1832, 0.4485, 0.4666

Protanopia

46.4397, 0.4325, 0.4782

Deuteranopia

46.1591, 0.4630, 0.4533



Tritanopia

46.1322, 0.3576, 0.3140

Trichromacy



Original Color

46.1832, 0.4485, 0.4666

Protanomaly

46.1989, 0.4380, 0.4739

Deuteranomaly

46.2726, 0.4579, 0.4580

Tritanomaly

45.4378, 0.4016, 0.3790

Monochromacy



Original Color

46.1832, 0.4485, 0.4666

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.5462, 0.3699, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1832, 0.4485, 0.4666 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(216, 177, 38)` looks like.

```
.text, #text, p{  
    color:rgb(216, 177, 38)  
}
```

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(216, 177, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 177, 38) }
```

Border

The CSS property to change the border of an element to Yxy 46.1832, 0.4485, 0.4666 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(216, 177, 38) }
```

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

```
.border{ border-color:rgb(216, 177, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 177, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 177, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 177, 38);  
box-shadow:4px 4px 4px 4px rgb(216, 177,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1832, 0.4485, 0.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 177, 38) }
```

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

```
.background{ background-color: rgb(216,  
177, 38) }
```

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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