

Converting Colors

$Y_{xy}(47.6634, 0.4485, 0.4696)$

Have a look what the booklet for
Yxy(47.6634, 0.4485, 0.4696)
contains.

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Color

Yxy(47.6634, 0.4485, 0.4696)

Conversions

Conversions Part 1

Format	Color
Hex	DAB422
RGB	218, 180, 34
RGB Percent	85%, 71%, 13%
CMY	0.1451, 0.2941, 0.8667
CMYK	0.00, 0.17, 0.84, 0.15
HSL	48°, 73%, 49%
HSV	48°, 84%, 85%
XYZ	45.5218, 47.6634, 8.3127
YIQ	174.7180, 69.5140, -37.3500

Conversions

Conversions Part 2

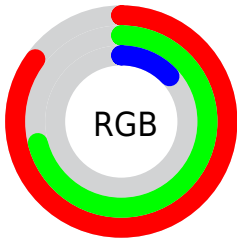
Format	Color
RYB	82, 218, 34
Decimal	14332962
CIELab	74.61, 0.63, 71.38
CIELCh	75, 71.386, 89.495
Yxy	47.6634, 0.4485, 0.4696
Android (android.graphics.Color)	4292523042 (0xFFDAB422)
YUV	174.7180, -69.3740, 37.9583
Hunter-Lab	69.0387, -3.1208, 41.1882

Details

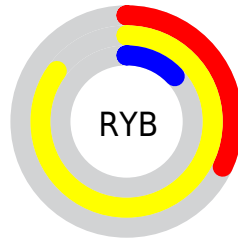
The Yxy color **47.6634, 0.4485, 0.4696** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **10.0327, 0.1679, 0.1078**, and the grayscale version is **43.0553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5029, 0.4120, 0.4599**, and **22.7074, 0.4569, 0.4754** is the 20% darker color. If you saturate the color by 10%, you get **45.7896, 0.4576, 0.4718**, and if you desaturate by 10%, it is **49.6805, 0.4365, 0.4627**.

Distribution



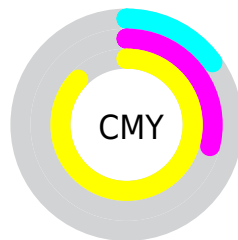
- Red (85%)
- Green (71%)
- Blue (13%)



- Red (32%)
- Yellow (85%)
- Blue (13%)



- Cyan (0%)
- Magenta (17%)
- Yellow (84%)
- Black (15%)




- Cyan (15%)
- Magenta (29%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6634, 0.4485, 0.4696 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 47.6634, 0.4485, 0.4696 by changing the saturation by 10% instead.


 47.6634, 0.4485,
0.4696

 47.6634, 0.4485,
0.4696


377.4564, 0.3887,
0.4079


 33.5604, 0.4592,
0.4806


 86.7030, 0.4297,
0.4503


 22.5561, 0.4703,
0.4918


 112.4085, 0.4217,
0.4420


 14.2661, 0.4824,
0.5039


 142.7501, 0.4145,
0.4347

 8.3060, 0.4895,
0.5105

 178.1125, 0.4082,
0.4281

 4.2913, 0.4900,
0.5100

 218.8799, 0.4025,
0.4222

 1.8378, 0.4909,
0.5091

 265.4367, 0.3974,

 0.5106, 0.4951,

0.4170

0.5049

318.1674, 0.3928,
0.4122

■ 0.0000, 0.0000,
0.0000

■ 47.6634, 0.4485,
0.4696

■ 47.6634, 0.4485,
0.4696

■ 45.7896, 0.4576,
0.4718

■ 49.6805, 0.4365,
0.4627

■ 44.7885, 0.4617,
0.4716

■ 51.8474, 0.4218,
0.4512

■ 54.1779, 0.4054,
0.4361

■ 56.6816, 0.3878,
0.4181

■ 59.3673, 0.3698,
0.3984

■ 62.2431, 0.3522,
0.3779

■ 65.3163, 0.3352,
0.3574

■ 68.5937, 0.3193,
0.3375

■ 72.0819, 0.3047,
0.3185

Harmonies

Analogous

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



47.6634, 0.4995, 0.4027



47.6634, 0.4485, 0.4696



47.6634, 0.3665, 0.5117

Triad

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



47.6634, 0.4485, 0.4696



47.6634, 0.1585, 0.2804



47.6634, 0.3268, 0.2217

Complementary

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



47.6634, 0.4485, 0.4696



10.0327, 0.1679, 0.1078

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.



47.6634, 0.2365, 0.1922



47.6634, 0.4485, 0.4696



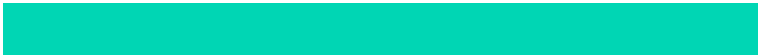
47.6634, 0.1524, 0.2147

Square

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



47.6634, 0.4485, 0.4696



47.6634, 0.1999, 0.3854



47.6634, 0.1780, 0.1882



47.6634, 0.4280, 0.2721

Rectangle

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



47.6634, 0.4485, 0.4696



47.6634, 0.3056, 0.5037



47.6634, 0.1780, 0.1882



47.6634, 0.2939, 0.2093

Sweetspot

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



47.6657, 0.4485, 0.4696



88.4416, 0.3536, 0.3796



16.5402, 0.5556, 0.2992



18.6139, 0.3598, 0.3869



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.



47.6657, 0.4485, 0.4696



63.6701, 0.4622, 0.4712



58.3463, 0.3732, 0.5304



14.7836, 0.3272, 0.3474



26.9936, 0.4610, 0.4722



1.8661, 0.4529, 0.4786

Inverse Universe

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



10.0327, 0.1679, 0.1078



9.7335, 0.1551, 0.0782



8.1893, 0.1851, 0.0888



13.0505, 0.2981, 0.3099



4.2820, 0.1560, 0.0814



0.4022, 0.1642, 0.1112

Previews

White Background



This preview shows how the Yxy color 47.6634, 0.4485, 0.4696 looks on a white background.

Color Contrast Check

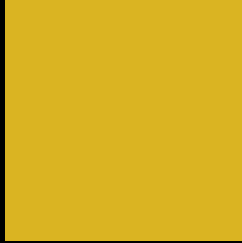
Large Text (above 18pt) WCAG AA × Fail

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 47.6634, 0.4485, 0.4696 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 47.6634, 0.4485, 0.4696

Background



This preview shows how black text looks on a background with the Yxy color 47.6634, 0.4485, 0.4696.



This preview shows how white text looks on a background with the Yxy color 47.6634, 0.4485, 0.4696.

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

47.6634, 0.4485, 0.4696

Protanopia

47.6677, 0.4345, 0.4798

Deuteranopia

47.5678, 0.4654, 0.4540



Tritanopia

47.6314, 0.3569, 0.3153

Trichromacy



Original Color

47.6634, 0.4485, 0.4696

Protanomaly

47.8372, 0.4391, 0.4763

Deuteranomaly

47.5151, 0.4594, 0.4592

Tritanomaly

46.8846, 0.4019, 0.3820

Monochromacy



Original Color

47.6634, 0.4485, 0.4696

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.9759, 0.3706, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6634, 0.4485, 0.4696 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(218, 180, 34)` looks like.

```
.text, #text, p{  
    color:rgb(218, 180, 34)  
}
```

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(218, 180, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 180, 34) }
```

Border

The CSS property to change the border of an element to Yxy 47.6634, 0.4485, 0.4696 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(218, 180, 34) }
```

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

```
.border{ border-color:rgb(218, 180, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 180, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 180, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 180, 34);  
box-shadow:4px 4px 4px 4px rgb(218, 180,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6634, 0.4485, 0.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 180, 34) }
```

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

```
.background{ background-color: rgb(218,  
180, 34) }
```

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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