

Converting Colors

$Y_{xy}(47.4904, 0.4471, 0.4683)$

Have a look what the booklet for
Yxy(47.4904, 0.4471, 0.4683)
contains.

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Color

Yxy(47.5342, 0.4464, 0.4686)

Conversions

Conversions Part 1

Format	Color
Hex	D9B426
RGB	217, 180, 38
RGB Percent	85%, 71%, 15%
CMY	0.1491, 0.2941, 0.8509
CMYK	0.00, 0.17, 0.82, 0.15
HSL	48°, 70%, 50%
HSV	48°, 82%, 85%
XYZ	45.2823, 47.5342, 8.6223
YIQ	174.8750, 67.6340, -36.3180

Conversions

Conversions Part 2

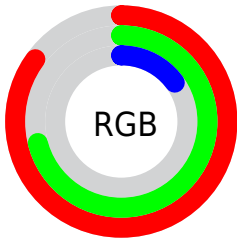
Format	Color
R _Y B	85, 217, 38
Decimal	14267430
CIE Lab	74.53, 0.29, 70.20
CIE LCh	75, 70.202, 89.760
Yxy	47.5342, 0.4464, 0.4686
Android (android.graphics.Color)	4292457510 (0xFFD9B426)
YUV	174.8750, -67.4794, 36.9436
Hunter-Lab	68.9451, -3.4172, 40.8467

Details

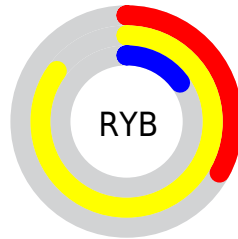
The Yxy color **47.5342, 0.4464, 0.4686** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **10.4499, 0.1701, 0.1122**, and the grayscale version is **43.1323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5397, 0.4111, 0.4585**, and **22.7074, 0.4569, 0.4754** is the 20% darker color. If you saturate the color by 10%, you get **45.6542, 0.4561, 0.4717**, and if you desaturate by 10%, it is **49.5588, 0.4338, 0.4608**.

Distribution



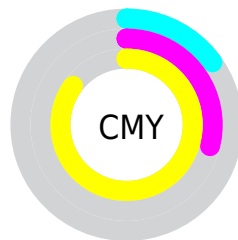
- Red (85%)
- Green (71%)
- Blue (15%)



- Red (33%)
- Yellow (85%)
- Blue (15%)



- Cyan (0%)
- Magenta (17%)
- Yellow (82%)
- Black (15%)




- Cyan (15%)
- Magenta (29%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5342, 0.4464, 0.4686 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 47.5342, 0.4464, 0.4686 by changing the saturation by 10% instead.

 47.5342, 0.4464,
0.4686


 47.5342, 0.4464,
0.4686


376.9428, 0.3872,
0.4069


 33.4582, 0.4571,
0.4797


 86.5105, 0.4277,
0.4491


 22.4777, 0.4683,
0.4913


 112.1795, 0.4197,
0.4409

 14.2083, 0.4802,
0.5035


 142.4816, 0.4127,
0.4335

 8.2657, 0.4883,
0.5117

 177.8013, 0.4064,
0.4270

 4.2654, 0.4886,
0.5114

 218.5228, 0.4008,
0.4211

 1.8231, 0.4890,
0.5110

 265.0307, 0.3958,

 0.5015, 0.4910,

0.4159

0.5090

317.7092, 0.3913,
0.4112

■ 0.0000, 0.0000,
0.0000

■ 47.5342, 0.4464,
0.4686

■ 47.5342, 0.4464,
0.4686

■ 45.6542, 0.4561,
0.4717

■ 49.5588, 0.4338,
0.4608

■ 44.3156, 0.4617,
0.4716

■ 51.7341, 0.4188,
0.4485

■ 54.0730, 0.4020,
0.4327

■ 56.5852, 0.3843,
0.4144

■ 59.2790, 0.3664,
0.3945

■ 62.1623, 0.3488,
0.3739

■ 65.2423, 0.3321,
0.3535

■ 68.5256, 0.3164,
0.3338

■ 72.0186, 0.3020,
0.3150

Harmonies

Analogous

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



47.5342, 0.4968, 0.4029



47.5342, 0.4464, 0.4686



47.5342, 0.3654, 0.5090

Triad

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



47.5342, 0.4464, 0.4686



47.5342, 0.1602, 0.2806



47.5342, 0.3276, 0.2235

Complementary

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



47.5342, 0.4464, 0.4686



10.4499, 0.1701, 0.1122

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.



47.5342, 0.2383, 0.1940



47.5342, 0.4464, 0.4686



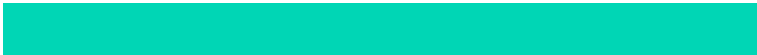
47.5342, 0.1544, 0.2160

Square

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



47.5342, 0.4464, 0.4686



47.5342, 0.2011, 0.3836



47.5342, 0.1801, 0.1899



47.5342, 0.4270, 0.2735

Rectangle

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



47.5342, 0.4464, 0.4686



47.5342, 0.3053, 0.5002



47.5342, 0.1801, 0.1899



47.5342, 0.2951, 0.2110

Sweetspot

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



47.5365, 0.4464, 0.4686



88.4370, 0.3536, 0.3796



16.6683, 0.5482, 0.2982



18.6128, 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.



47.5365, 0.4464, 0.4686



63.9092, 0.4615, 0.4713



57.8920, 0.3733, 0.5278



14.7833, 0.3272, 0.3474



26.9876, 0.4610, 0.4722



1.8658, 0.4529, 0.4786

Inverse Universe

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



10.4499, 0.1701, 0.1122



9.9399, 0.1556, 0.0796



8.5054, 0.1878, 0.0923



13.0507, 0.2981, 0.3099



4.2833, 0.1560, 0.0814



0.4023, 0.1642, 0.1112

Previews

White Background



This preview shows how the Yxy color 47.5342, 0.4464, 0.4686 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 47.5342, 0.4464, 0.4686 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 47.5342, 0.4464, 0.4686

Background



This preview shows how black text looks on a background with the Yxy color 47.5342, 0.4464, 0.4686.



This preview shows how white text looks on a background with the Yxy color 47.5342, 0.4464, 0.4686.

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

47.5342, 0.4464, 0.4686

Protanopia

47.5493, 0.4324, 0.4786

Deuteranopia

47.4211, 0.4636, 0.4533



Tritanopia

47.5102, 0.3550, 0.3141

Trichromacy



Original Color

47.5342, 0.4464, 0.4686

Protanomaly

47.7151, 0.4370, 0.4752

Deuteranomaly

47.3726, 0.4576, 0.4586

Tritanomaly

46.7780, 0.3991, 0.3799

Monochromacy



Original Color

47.5342, 0.4464, 0.4686

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.8721, 0.3688, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5342, 0.4464, 0.4686 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(217, 180, 38)` looks like.

```
.text, #text, p{  
    color:rgb(217, 180, 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(217, 180, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 180, 38) }
```

Border

The CSS property to change the border of an element to Yxy 47.5342, 0.4464, 0.4686 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(217, 180, 38) }
```

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

```
.border{ border-color:rgb(217, 180, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 180, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 180, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 180, 38);  
box-shadow:4px 4px 4px 4px rgb(217, 180,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5342, 0.4464, 0.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 180, 38) }
```

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

```
.background{ background-color: rgb(217,  
180, 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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