

Converting Colors

$Y_{xy}(41.7945, 0.4546, 0.4458)$

Have a look what the booklet for
Yxy(41.7945, 0.4546, 0.4458)
contains.

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Color

Yxy(41.9283, 0.4547, 0.4461)

Conversions

Conversions Part 1

Format	Color
Hex	D9A536
RGB	217, 165, 54
RGB Percent	85%, 65%, 21%
CMY	0.1490, 0.3529, 0.7884
CMYK	0.00, 0.24, 0.75, 0.15
HSL	41°, 68%, 53%
HSV	41°, 75%, 85%
XYZ	42.7366, 41.9283, 9.3237
YIQ	167.8940, 66.6230, -23.4970

Conversions

Conversions Part 2

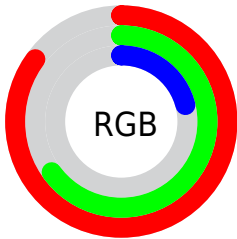
Format	Color
RYB	130, 217, 54
Decimal	14263606
CIELab	70.82, 8.82, 61.54
CIElCh	71, 62.168, 81.843
Yxy	41.9283, 0.4547, 0.4461
Android (android.graphics.Color)	4292453686 (0xFFD9A536)
YUV	167.8940, -56.1497, 43.0660
Hunter-Lab	64.7521, 4.4945, 36.7893

Details

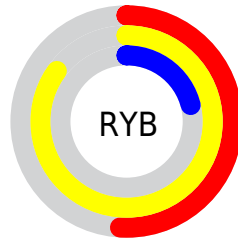
The Yxy color **41.9283, 0.4547, 0.4461** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.0904, 0.1863, 0.1562**, and the grayscale version is **39.3582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5291, 0.4145, 0.4382**, and **19.3037, 0.4780, 0.4587** is the 20% darker color. If you saturate the color by 10%, you get **39.3406, 0.4712, 0.4508**, and if you desaturate by 10%, it is **44.7461, 0.4358, 0.4368**.

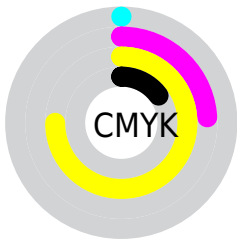
Distribution



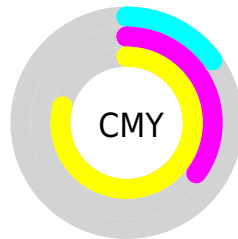
- Red (85%)
- Green (65%)
- Blue (21%)



- Red (51%)
- Yellow (85%)
- Blue (21%)



- Cyan (0%)
- Magenta (24%)
- Yellow (75%)
- Black (15%)




- Cyan (15%)
- Magenta (35%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9283, 0.4547, 0.4461 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 41.9283, 0.4547, 0.4461 by changing the saturation by 10% instead.


 41.9283, 0.4547,
0.4461


 41.9283, 0.4547,
0.4461

354.1856, 0.3877,
0.3941

 29.0452, 0.4684,
0.4555


 78.0911, 0.4323,
0.4296


 19.1150, 0.4838,
0.4650


 102.1395, 0.4232,
0.4227


 11.7534, 0.5010,
0.4740


 130.6785, 0.4153,
0.4165

 6.5760, 0.5194,
0.4806

 164.0925, 0.4084,
0.4109

 3.1984, 0.5278,
0.4722

 202.7658, 0.4023,
0.4060

 1.2362, 0.5423,
0.4577

 247.0828, 0.3969,

 0.0909, 0.7684,

0.4016

0.2316

297.4279, 0.3920,
0.3977

0.0000, 0.0000,
0.0000

41.9283, 0.4547,
0.4461

41.9283, 0.4547,
0.4461

39.3406, 0.4712,
0.4508

44.7461, 0.4358,
0.4368

36.9616, 0.4846,
0.4504

47.8006, 0.4155,
0.4236

35.8697, 0.4903,
0.4489

51.1051, 0.3948,
0.4079

54.6699, 0.3744,
0.3906

58.5042, 0.3551,
0.3727

■ 62.6169, 0.3370,
0.3548

■ 67.0161, 0.3206,
0.3375

■ 71.7096, 0.3057,
0.3212

■ 76.7047, 0.2923,
0.3059

Harmonies

Analogous

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



41.9283, 0.4888, 0.3836



41.9283, 0.4547, 0.4461



41.9283, 0.3852, 0.4908

Triad

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



41.9283, 0.4547, 0.4461



41.9283, 0.1769, 0.3076



41.9283, 0.3030, 0.2206

Complementary

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



41.9283, 0.4547, 0.4461



16.0904, 0.1863, 0.1562

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.



41.9283, 0.2260, 0.1987



41.9283, 0.4547, 0.4461



41.9283, 0.1624, 0.2365

Square

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



41.9283, 0.4547, 0.4461



41.9283, 0.2252, 0.4062



41.9283, 0.1790, 0.2023



41.9283, 0.3956, 0.2636

Rectangle

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



41.9283, 0.4547, 0.4461



41.9283, 0.3297, 0.4934



41.9283, 0.1790, 0.2023



41.9283, 0.2744, 0.2107

Sweetspot

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



41.9304, 0.4547, 0.4461



85.4229, 0.3515, 0.3692



18.4752, 0.4856, 0.2747



17.8370, 0.3583, 0.3757



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.



41.9304, 0.4547, 0.4461



54.7104, 0.4792, 0.4512



60.8197, 0.3881, 0.5058



14.5271, 0.3275, 0.3449



21.9105, 0.4890, 0.4499



1.5722, 0.4749, 0.4611

Inverse Universe

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



16.0904, 0.1863, 0.1562



16.2982, 0.1687, 0.1201



9.3984, 0.1850, 0.1008



13.2917, 0.2981, 0.3126



5.7935, 0.1625, 0.1051



0.5280, 0.1717, 0.1380

Previews

White Background



This preview shows how the Yxy color 41.9283, 0.4547, 0.4461 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 41.9283, 0.4547, 0.4461 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 41.9283, 0.4547, 0.4461

Background



This preview shows how black text looks on a background with the Yxy color 41.9283, 0.4547, 0.4461.



This preview shows how white text looks on a background with the Yxy color 41.9283, 0.4547, 0.4461.

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

41.9283, 0.4547, 0.4461

Protanopia

42.0270, 0.4235, 0.4671

Deuteranopia

41.9283, 0.4547, 0.4461



Tritanopia

41.7117, 0.3714, 0.3150

Trichromacy



Original Color

41.9283, 0.4547, 0.4461

Protanomaly

41.9582, 0.4343, 0.4601

Deuteranomaly

41.9283, 0.4547, 0.4461

Tritanomaly

41.3065, 0.4084, 0.3688

Monochromacy



Original Color

41.9283, 0.4547, 0.4461

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.6088, 0.3671, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9283, 0.4547, 0.4461 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, 165, 54)` looks like.

```
.text, #text, p{  
    color:rgb(217, 165, 54)  
}
```

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, 165, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 165, 54) }
```

Border

The CSS property to change the border of an element to Yxy 41.9283, 0.4547, 0.4461 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, 165, 54) }
```

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

```
.border{ border-color:rgb(217, 165, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 165, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 165, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 165, 54);  
box-shadow:4px 4px 4px 4px rgb(217, 165,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9283, 0.4547, 0.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 165, 54) }
```

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

```
.background{ background-color: rgb(217,  
165, 54) }
```

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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