

Converting Colors

$Y_{xy}(46.0039, 0.4286, 0.4299)$

Have a look what the booklet for
Yxy(46.0039, 0.4286, 0.4299)
contains.

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Color

Yxy(45.8334, 0.4288, 0.4301)

Conversions

Conversions Part 1

Format	Color
Hex	DAAE55
RGB	218, 174, 85
RGB Percent	85%, 68%, 33%
CMY	0.1450, 0.3177, 0.6666
CMYK	0.00, 0.20, 0.61, 0.15
HSL	40°, 64%, 59%
HSV	40°, 61%, 85%
XYZ	45.6949, 45.8334, 15.0363
YIQ	177.0100, 54.7930, -18.3510

Conversions

Conversions Part 2

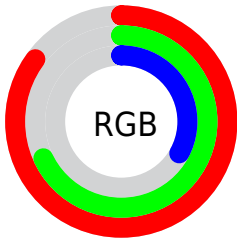
Format	Color
RYB	151, 218, 85
Decimal	14331477
CIELab	73.44, 6.19, 50.83
CIELCh	73, 51.201, 83.059
Yxy	45.8334, 0.4288, 0.4301
Android (android.graphics.Color)	4292521557 (0xFFDAAE55)
YUV	177.0100, -45.3609, 35.9482
Hunter-Lab	67.7004, 2.0043, 34.2219

Details

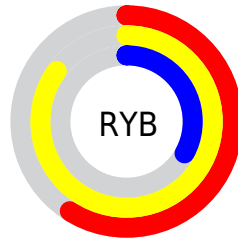
The Yxy color **45.8334, 0.4288, 0.4301** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.7081, 0.2084, 0.1951**, and the grayscale version is **44.1961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1048, 0.3926, 0.4209**, and **21.5025, 0.4558, 0.4510** is the 20% darker color. If you saturate the color by 10%, you get **42.8267, 0.4489, 0.4409**, and if you desaturate by 10%, it is **49.1011, 0.4078, 0.4160**.

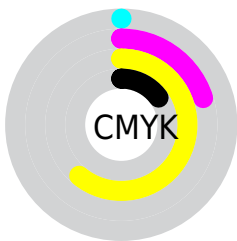
Distribution



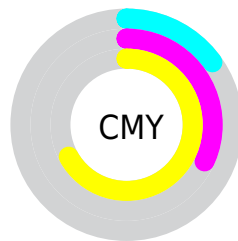
- Red (85%)
- Green (68%)
- Blue (33%)



- Red (59%)
- Yellow (85%)
- Blue (33%)



- Cyan (0%)
- Magenta (20%)
- Yellow (61%)
- Black (15%)




- Cyan (15%)
- Magenta (32%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8334, 0.4288, 0.4301 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 45.8334, 0.4288, 0.4301 by changing the saturation by 10% instead.


 45.8334, 0.4288,
0.4301


 45.8334, 0.4288,
0.4301


370.1385, 0.3731,
0.3833

 32.1144, 0.4411,
0.4398


 83.9696, 0.4096,
0.4144


 21.4489, 0.4556,
0.4508


 109.1556, 0.4020,
0.4081

 13.4525, 0.4726,
0.4629


 138.9327, 0.3955,
0.4026

 7.7409, 0.4938,
0.4768

 173.6852, 0.3899,
0.3978

 3.9296, 0.5141,
0.4859

 213.7977, 0.3849,
0.3935

 1.6343, 0.5230,
0.4770

259.6545, 0.3805,

 0.3805, 0.5740,

0.3897

0.4260

311.6399, 0.3766,
0.3863

0.0000, 0.0000,
0.0000

45.8334, 0.4288,
0.4301

45.8334, 0.4288,
0.4301

42.8267, 0.4489,
0.4409

49.1011, 0.4078,
0.4160

40.0619, 0.4670,
0.4474

52.6343, 0.3868,
0.3997

37.5266, 0.4823,
0.4488

56.4454, 0.3666,
0.3823

35.4213, 0.4936,
0.4463

60.5439, 0.3476,
0.3646

64.9385, 0.3301,
0.3473

■ 69.6376, 0.3142,
0.3306

■ 74.6491, 0.3000,
0.3150

■ 79.6913, 0.2897,
0.3048

■ 83.8320, 0.2900,
0.3124

Harmonies

Analogous

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



45.8334, 0.4553, 0.3805



45.8334, 0.4288, 0.4301



45.8334, 0.3724, 0.4599

Triad

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



45.8334, 0.4288, 0.4301



45.8334, 0.2000, 0.3111



45.8334, 0.3088, 0.2400

Complementary

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



45.8334, 0.4288, 0.4301



22.7081, 0.2084, 0.1951

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.



45.8334, 0.2443, 0.2208



45.8334, 0.4288, 0.4301



45.8334, 0.1876, 0.2534

Square

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



45.8334, 0.4288, 0.4301



45.8334, 0.2406, 0.3869



45.8334, 0.2028, 0.2240



45.8334, 0.3825, 0.2775

Rectangle

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



45.8334, 0.4288, 0.4301



45.8334, 0.3267, 0.4571



45.8334, 0.2028, 0.2240



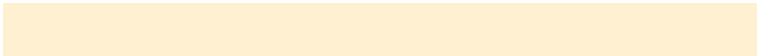
45.8334, 0.2853, 0.2314

Sweetspot

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



45.8356, 0.4288, 0.4301



88.0745, 0.3424, 0.3596



23.0034, 0.4378, 0.2785



18.4675, 0.3477, 0.3648



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.



45.8356, 0.4288, 0.4301



59.9962, 0.4539, 0.4431



62.5271, 0.3802, 0.4809



14.4997, 0.3275, 0.3446



21.4209, 0.4922, 0.4474



1.5432, 0.4774, 0.4591

Inverse Universe

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



22.7081, 0.2084, 0.1951



24.5702, 0.1891, 0.1628



14.7006, 0.2100, 0.1404



13.3178, 0.2981, 0.3129



5.9985, 0.1634, 0.1081



0.5436, 0.1725, 0.1411

Previews

White Background



This preview shows how the Yxy color 45.8334, 0.4288, 0.4301 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 45.8334, 0.4288, 0.4301 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 45.8334, 0.4288, 0.4301

Background



This preview shows how black text looks on a background with the Yxy color 45.8334, 0.4288, 0.4301.



This preview shows how white text looks on a background with the Yxy color 45.8334, 0.4288, 0.4301.

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

45.8334, 0.4288, 0.4301

Protanopia

46.0152, 0.4054, 0.4435

Deuteranopia

45.8649, 0.4343, 0.4250



Tritanopia

45.7328, 0.3588, 0.3140

Trichromacy



Original Color

45.8334, 0.4288, 0.4301

Protanomaly

45.7781, 0.4148, 0.4382

Deuteranomaly

45.9312, 0.4316, 0.4269

Tritanomaly

45.5485, 0.3862, 0.3578

Monochromacy



Original Color

45.8334, 0.4288, 0.4301

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.2708, 0.3546, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8334, 0.4288, 0.4301 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, 174, 85)` looks like.

```
.text, #text, p{  
    color:rgb(218, 174, 85)  
}
```

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, 174, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 174, 85) }
```

Border

The CSS property to change the border of an element to Yxy 45.8334, 0.4288, 0.4301 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, 174, 85) }
```

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

```
.border{ border-color:rgb(218, 174, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 174, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 174, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 174, 85);  
box-shadow:4px 4px 4px 4px rgb(218, 174,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8334, 0.4288, 0.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 174, 85) }
```

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

```
.background{ background-color: rgb(218,  
174, 85) }
```

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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