

Converting Colors

$Y_{xy}(45.0532, 0.4301, 0.4578)$

Have a look what the booklet for
Yxy(45.0532, 0.4301, 0.4578)
contains.

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Color

Yxy(45.0575, 0.4301, 0.4579)

Conversions

Conversions Part 1

Format	Color
Hex	CFB13E
RGB	207, 177, 62
RGB Percent	81%, 69%, 24%
CMY	0.1883, 0.3058, 0.7569
CMYK	0.00, 0.14, 0.70, 0.19
HSL	48°, 60%, 53%
HSV	48°, 70%, 81%
XYZ	42.3220, 45.0575, 11.0208
YIQ	172.8600, 54.7950, -29.4050

Conversions

Conversions Part 2

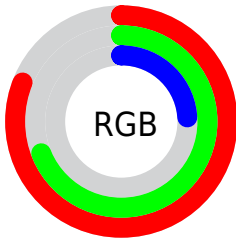
Format	Color
RYB	100, 207, 62
Decimal	13611326
CIELab	72.93, -1.51, 60.12
CIELCh	73, 60.139, 91.438
Yxy	45.0575, 0.4301, 0.4579
Android (android.graphics.Color)	4291801406 (0xFFCFB13E)
YUV	172.8600, -54.6540, 29.9408
Hunter-Lab	67.1249, -4.9250, 37.2529

Details

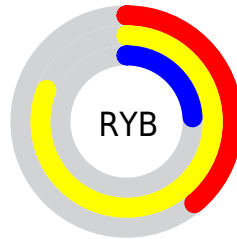
The Yxy color **45.0575, 0.4301, 0.4579** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **13.1769, 0.1878, 0.1449**, and the grayscale version is **41.9770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2342, 0.4033, 0.4417**, and **21.0568, 0.4503, 0.4806** is the 20% darker color. If you saturate the color by 10%, you get **43.2096, 0.4434, 0.4669**, and if you desaturate by 10%, it is **47.0493, 0.4146, 0.4447**.

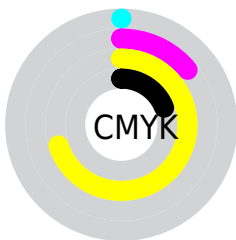
Distribution



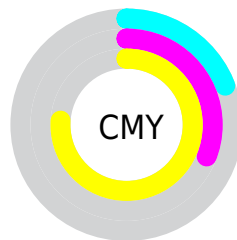
- Red (81%)
- Green (69%)
- Blue (24%)



- Red (39%)
- Yellow (81%)
- Blue (24%)



- Cyan (0%)
- Magenta (14%)
- Yellow (70%)
- Black (19%)





- Cyan (19%)
- Magenta (31%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0575, 0.4301, 0.4579 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 45.0575, 0.4301, 0.4579 by changing the saturation by 10% instead.


 45.0575, 0.4301,
0.4579


 45.0575, 0.4301,
0.4579


367.0064, 0.3760,
0.3979

 31.5027, 0.4409,
0.4701


 82.8067, 0.4122,
0.4379


 20.9820, 0.4528,
0.4837


 107.7699, 0.4049,
0.4298


 13.1108, 0.4650,
0.4981

 137.3047, 0.3985,
0.4227

 7.5049, 0.4819,
0.5181

 171.7955, 0.3929,
0.4165

 3.7798, 0.4805,
0.5195

 211.6266, 0.3879,
0.4110

 1.5512, 0.4782,
0.5218

257.1826, 0.3835,

 0.3243, 0.4556,

0.4062

0.5444

308.8477, 0.3795,
0.4018

0.0000, 0.0000,
0.0000

45.0575, 0.4301,
0.4579

45.0575, 0.4301,
0.4579

43.2096, 0.4434,
0.4669

47.0493, 0.4146,
0.4447

41.4881, 0.4538,
0.4713

49.1877, 0.3975,
0.4282

39.8841, 0.4617,
0.4716

51.4831, 0.3797,
0.4094

53.9429, 0.3619,
0.3893

56.5739, 0.3446,
0.3688

■ 59.3823, 0.3281,
0.3486

■ 62.3741, 0.3128,
0.3291

■ 65.5548, 0.2987,
0.3107

■ 68.9298, 0.2859,
0.2935

Harmonies

Analogous

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



45.0575, 0.4747, 0.4020



45.0575, 0.4301, 0.4579



45.0575, 0.3578, 0.4863

Triad

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



45.0575, 0.4301, 0.4579



45.0575, 0.1754, 0.2840



45.0575, 0.3315, 0.2368

Complementary

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



45.0575, 0.4301, 0.4579



13.1769, 0.1878, 0.1449

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.



45.0575, 0.2511, 0.2087



45.0575, 0.4301, 0.4579



45.0575, 0.1710, 0.2273

Square

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



45.0575, 0.4301, 0.4579



45.0575, 0.2117, 0.3716



45.0575, 0.1963, 0.2041



45.0575, 0.4170, 0.2834

Rectangle

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



45.0575, 0.4301, 0.4579



45.0575, 0.3040, 0.4736



45.0575, 0.1963, 0.2041



45.0575, 0.3027, 0.2250

Sweetspot

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



45.0597, 0.4301, 0.4579



90.1558, 0.3466, 0.3713



17.5052, 0.4972, 0.2956



19.0408, 0.3514, 0.3770



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.



45.0597, 0.4301, 0.4579



67.8627, 0.4489, 0.4697



53.0667, 0.3714, 0.5068



13.3652, 0.3271, 0.3473



25.2701, 0.4610, 0.4722



1.5200, 0.4519, 0.4794

Inverse Universe

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



13.1769, 0.1878, 0.1449



14.1987, 0.1675, 0.1071



10.8357, 0.2075, 0.1210



11.8081, 0.2982, 0.3100



4.0287, 0.1561, 0.0817



0.3418, 0.1655, 0.1159

Previews

White Background



This preview shows how the Yxy color 45.0575, 0.4301, 0.4579 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 45.0575, 0.4301, 0.4579 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 45.0575, 0.4301, 0.4579

Background



This preview shows how black text looks on a background with the Yxy color 45.0575, 0.4301, 0.4579.



This preview shows how white text looks on a background with the Yxy color 45.0575, 0.4301, 0.4579.

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

45.0575, 0.4301, 0.4579

Protanopia

44.8784, 0.4213, 0.4630

Deuteranopia

44.9669, 0.4509, 0.4404



Tritanopia

45.0857, 0.3489, 0.3147

Trichromacy



Original Color

45.0575, 0.4301, 0.4579

Protanomaly

44.8962, 0.4250, 0.4603

Deuteranomaly

45.1514, 0.4433, 0.4472

Tritanomaly

44.6732, 0.3842, 0.3710

Monochromacy



Original Color

45.0575, 0.4301, 0.4579

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.2798, 0.3582, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0575, 0.4301, 0.4579 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(207, 177, 62)` looks like.

```
.text, #text, p{  
    color:rgb(207, 177, 62)  
}
```

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(207, 177, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 177, 62) }
```

Border

The CSS property to change the border of an element to Yxy 45.0575, 0.4301, 0.4579 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(207, 177, 62) }
```

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

```
.border{ border-color:rgb(207, 177, 62) }
```

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

Here you see how a box with a 4 pixel rgb(207, 177, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 177, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 177, 62);  
box-shadow:4px 4px 4px 4px rgb(207, 177,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0575, 0.4301, 0.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 177, 62) }
```

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

```
.background{ background-color: rgb(207,  
177, 62) }
```

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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