

Converting Colors

$Y_{xy}(46.1253, 0.4335, 0.4462)$

Have a look what the booklet for
Yxy(46.1253, 0.4335, 0.4462)
contains.

Yxy(45.9527, 0.4334, 0.4456)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.9527, 0.4334, 0.4456)

Conversions

Conversions Part 1

Format	Color
Hex	D7B047
RGB	215, 176, 71
RGB Percent	84%, 69%, 28%
CMY	0.1567, 0.3098, 0.7215
CMYK	0.00, 0.18, 0.67, 0.16
HSL	44°, 64%, 56%
HSV	44°, 67%, 84%
XYZ	44.6946, 45.9527, 12.4782
YIQ	175.6910, 56.9490, -24.3870

Conversions

Conversions Part 2

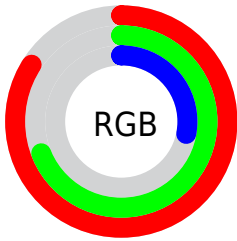
Format	Color
RYB	124, 215, 71
Decimal	14135367
CIELab	73.51, 2.97, 57.19
CIELCh	74, 57.267, 87.023
Yxy	45.9527, 0.4334, 0.4456
Android (android.graphics.Color)	4292325447 (0xFFD7B047)
YUV	175.6910, -51.6127, 34.4740
Hunter-Lab	67.7884, -0.9403, 36.5381

Details

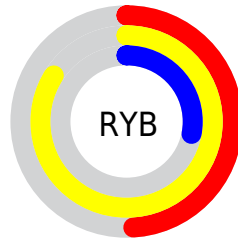
The Yxy color **45.9527, 0.4334, 0.4456** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **17.4130, 0.1958, 0.1667**, and the grayscale version is **43.5018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8671, 0.3993, 0.4342**, and **21.6076, 0.4588, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **43.4889, 0.4499, 0.4550**, and if you desaturate by 10%, it is **48.6168, 0.4151, 0.4323**.

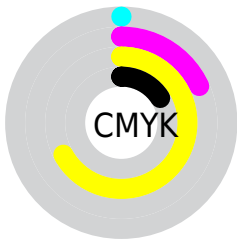
Distribution



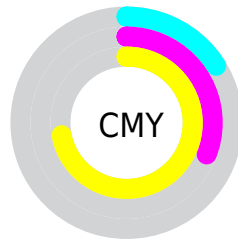
- Red (84%)
- Green (69%)
- Blue (28%)



- Red (49%)
- Yellow (84%)
- Blue (28%)



- Cyan (0%)
- Magenta (18%)
- Yellow (67%)
- Black (16%)





- Cyan (16%)
- Magenta (31%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9527, 0.4334, 0.4456 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 45.9527, 0.4334, 0.4456 by changing the saturation by 10% instead.


 45.9527, 0.4334,
0.4456


 45.9527, 0.4334,
0.4456


370.6185, 0.3768,
0.3919


 32.2085, 0.4452,
0.4564

 84.1482, 0.4144,
0.4278


 21.5208, 0.4586,
0.4685


 109.3683, 0.4067,
0.4206


 13.5052, 0.4734,
0.4811


 139.1825, 0.4001,
0.4143

 7.7774, 0.4963,
0.5010

 173.9751, 0.3942,
0.4087

 3.9528, 0.5003,
0.4997

 214.1307, 0.3891,
0.4038

 1.6472, 0.5046,
0.4954

260.0335, 0.3845,

 0.3891, 0.5321,

0.3994

0.4679

312.0679, 0.3805,
0.3955

0.0000, 0.0000,
0.0000

45.9527, 0.4334,
0.4456

45.9527, 0.4334,
0.4456

43.4889, 0.4499,
0.4550

48.6168, 0.4151,
0.4323

41.2066, 0.4638,
0.4597

51.4850, 0.3958,
0.4160

39.0926, 0.4746,
0.4595

54.5688, 0.3765,
0.3980

38.4781, 0.4777,
0.4589

57.8768, 0.3577,
0.3790

61.4169, 0.3399,
0.3600

■ 65.1964, 0.3234,
0.3414

■ 69.2225, 0.3083,
0.3238

■ 73.5016, 0.2946,
0.3071

■ 77.4096, 0.2877,
0.3012

Harmonies

Analogous

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



45.9527, 0.4695, 0.3913



45.9527, 0.4334, 0.4456



45.9527, 0.3675, 0.4767

Triad

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



45.9527, 0.4334, 0.4456



45.9527, 0.1849, 0.2977



45.9527, 0.3186, 0.2357

Complementary

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



45.9527, 0.4334, 0.4456



17.4130, 0.1958, 0.1667

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.



45.9527, 0.2449, 0.2118



45.9527, 0.4334, 0.4456



45.9527, 0.1761, 0.2385

Square

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



45.9527, 0.4334, 0.4456



45.9527, 0.2247, 0.3825



45.9527, 0.1963, 0.2113



45.9527, 0.4006, 0.2784

Rectangle

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



45.9527, 0.4334, 0.4456



45.9527, 0.3165, 0.4701



45.9527, 0.1963, 0.2113



45.9527, 0.2919, 0.2254

Sweetspot

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



45.9549, 0.4334, 0.4456



88.6337, 0.3455, 0.3661



20.1269, 0.4694, 0.2845



18.6542, 0.3505, 0.3715



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.



45.9549, 0.4334, 0.4456



62.6682, 0.4555, 0.4573



59.2417, 0.3782, 0.4960



13.9240, 0.3273, 0.3459



23.1909, 0.4766, 0.4598



1.5327, 0.4645, 0.4694

Inverse Universe

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



17.4130, 0.1958, 0.1667



18.2941, 0.1760, 0.1309



12.2548, 0.2046, 0.1252



12.5510, 0.2982, 0.3115



4.9132, 0.1595, 0.0941



0.4340, 0.1690, 0.1285

Previews

White Background



This preview shows how the Yxy color 45.9527, 0.4334, 0.4456 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 45.9527, 0.4334, 0.4456 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 45.9527, 0.4334, 0.4456

Background



This preview shows how black text looks on a background with the Yxy color 45.9527, 0.4334, 0.4456.



This preview shows how white text looks on a background with the Yxy color 45.9527, 0.4334, 0.4456.

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

45.9527, 0.4334, 0.4456

Protanopia

45.9331, 0.4157, 0.4570

Deuteranopia

45.9805, 0.4453, 0.4359



Tritanopia

45.8126, 0.3557, 0.3139

Trichromacy



Original Color

45.9527, 0.4334, 0.4456

Protanomaly

45.8299, 0.4220, 0.4524

Deuteranomaly

45.7272, 0.4408, 0.4389

Tritanomaly

45.4557, 0.3886, 0.3652

Monochromacy



Original Color

45.9527, 0.4334, 0.4456

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.8328, 0.3580, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9527, 0.4334, 0.4456 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(215, 176, 71)` looks like.

```
.text, #text, p{  
    color:rgb(215, 176, 71)  
}
```

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(215, 176, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 176, 71) }
```

Border

The CSS property to change the border of an element to Yxy 45.9527, 0.4334, 0.4456 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(215, 176, 71) }
```

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

```
.border{ border-color:rgb(215, 176, 71) }
```

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

Here you see how a box with a 4 pixel rgb(215, 176, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 176, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 176, 71);  
box-shadow:4px 4px 4px 4px rgb(215, 176,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9527, 0.4334, 0.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 176, 71) }
```

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

```
.background{ background-color: rgb(215,  
176, 71) }
```

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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