

Converting Colors

$Y_{xy}(43.5488, 0.4548, 0.4260)$

Have a look what the booklet for
Yxy(43.5488, 0.4548, 0.4260)
contains.

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Color

Yxy(43.5259, 0.4545, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	E4A449
RGB	228, 164, 73
RGB Percent	89%, 64%, 29%
CMY	0.1059, 0.3568, 0.7139
CMYK	0.00, 0.28, 0.68, 0.11
HSL	35°, 74%, 59%
HSV	35°, 68%, 89%
XYZ	46.4706, 43.5259, 12.2490
YIQ	172.7620, 67.3550, -14.7330

Conversions

Conversions Part 2

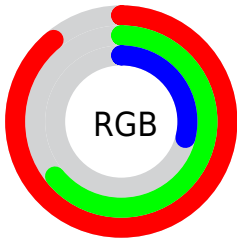
Format	Color
RYB	182, 228, 73
Decimal	14984265
CIELab	71.91, 14.97, 55.02
CIELCh	72, 57.023, 74.777
Yxy	43.5259, 0.4545, 0.4257
Android (android.graphics.Color)	4293174345 (0xFFE4A449)
YUV	172.7620, -49.1827, 48.4437
Hunter-Lab	65.9742, 10.2762, 35.1739

Details

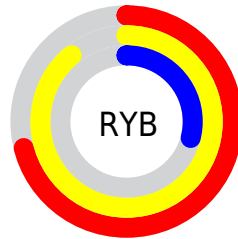
The Yxy color **43.5259, 0.4545, 0.4257** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.8931, 0.2016, 0.1954**, and the grayscale version is **41.8906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4037, 0.4049, 0.4230**, and **19.9568, 0.4871, 0.4408** is the 20% darker color. If you saturate the color by 10%, you get **40.0345, 0.4771, 0.4319**, and if you desaturate by 10%, it is **47.3816, 0.4306, 0.4154**.

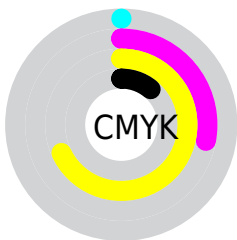
Distribution



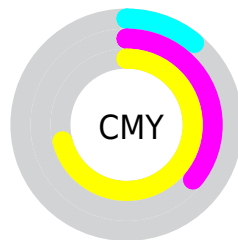
- Red (89%)
- Green (64%)
- Blue (29%)



- Red (71%)
- Yellow (89%)
- Blue (29%)



- Cyan (0%)
- Magenta (28%)
- Yellow (68%)
- Black (11%)





- Cyan (11%)
- Magenta (36%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5259, 0.4545, 0.4257 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 43.5259, 0.4545, 0.4257 by changing the saturation by 10% instead.


 43.5259, 0.4545,
0.4257

 43.5259, 0.4545,
0.4257


360.7701, 0.3861,
0.3833

 30.2980, 0.4695,
0.4334


 80.5039, 0.4309,
0.4123

 20.0649, 0.4871,
0.4413


 105.0227, 0.4216,
0.4066


 12.4422, 0.5075,
0.4483


 134.0739, 0.4136,
0.4016

 7.0456, 0.5397,
0.4603

 168.0419, 0.4066,
0.3971

 3.4906, 0.5529,
0.4471

 207.3112, 0.4005,
0.3930

 1.3929, 0.5747,
0.4253

252.2660, 0.3951,

 0.2115, 0.7282,

0.3895

0.2718

303.2909, 0.3903,
0.3862

■ 0.0000, 0.0000,
0.0000

■ 43.5259, 0.4545,
0.4257

■ 43.5259, 0.4545,
0.4257

■ 40.0345, 0.4771,
0.4319

■ 47.3816, 0.4306,
0.4154

■ 36.8829, 0.4972,
0.4330

■ 51.6112, 0.4067,
0.4022

■ 34.0496, 0.5138,
0.4289

■ 56.2314, 0.3838,
0.3872


■ 33.5143, 0.5169,
0.4277

■ 61.2558, 0.3624,
0.3715

■ 66.6971, 0.3429,
0.3558

 72.5671, 0.3253,
0.3406

 78.8772, 0.3097,
0.3262

 85.6149, 0.2962,
0.3131

 91.2779, 0.2963,
0.3226

Harmonies

Analogous

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



43.5259, 0.4736, 0.3675



43.5259, 0.4545, 0.4257



43.5259, 0.3976, 0.4705

Triad

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



43.5259, 0.4545, 0.4257



43.5259, 0.1960, 0.3304



43.5259, 0.2857, 0.2222

Complementary

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



43.5259, 0.4545, 0.4257



24.8931, 0.2016, 0.1954

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.



43.5259, 0.2205, 0.2072



43.5259, 0.4545, 0.4257



43.5259, 0.1745, 0.2576

Square

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



43.5259, 0.4545, 0.4257



43.5259, 0.2483, 0.4183



43.5259, 0.1831, 0.2174



43.5259, 0.3687, 0.2583

Rectangle

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



43.5259, 0.4545, 0.4257



43.5259, 0.3482, 0.4795



43.5259, 0.1831, 0.2174



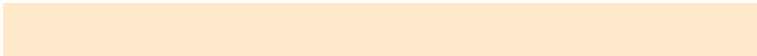
43.5259, 0.2612, 0.2146

Sweetspot

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



43.5281, 0.4545, 0.4257



84.4375, 0.3468, 0.3591



23.0758, 0.4409, 0.2614



17.6437, 0.3523, 0.3636



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.



43.5281, 0.4545, 0.4257



49.7209, 0.4866, 0.4331



70.4221, 0.3949, 0.4880



15.7676, 0.3278, 0.3428



19.5926, 0.5151, 0.4292



1.6299, 0.4973, 0.4433

Inverse Universe

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



24.8931, 0.2016, 0.1954



24.3554, 0.1834, 0.1627



12.3346, 0.1884, 0.1150



14.8594, 0.2981, 0.3148



8.0882, 0.1696, 0.1305



0.7771, 0.1776, 0.1592

Previews

White Background



This preview shows how the Yxy color 43.5259, 0.4545, 0.4257 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 43.5259, 0.4545, 0.4257 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 43.5259, 0.4545, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 43.5259, 0.4545, 0.4257.



This preview shows how white text looks on a background with the Yxy color 43.5259, 0.4545, 0.4257.

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

43.5259, 0.4545, 0.4257

Protanopia

43.7159, 0.4110, 0.4511

Deuteranopia

43.5332, 0.4434, 0.4348



Tritanopia

43.3568, 0.3811, 0.3155

Trichromacy



Original Color

43.5259, 0.4545, 0.4257

Protanomaly

43.4367, 0.4271, 0.4409

Deuteranomaly

43.6349, 0.4470, 0.4324

Tritanomaly

43.2755, 0.4122, 0.3591

Monochromacy



Original Color

43.5259, 0.4545, 0.4257

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8930, 0.3638, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5259, 0.4545, 0.4257 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(228, 164, 73)` looks like.

```
.text, #text, p{  
    color:rgb(228, 164, 73)  
}
```

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(228, 164, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 164, 73) }
```

Border

The CSS property to change the border of an element to Yxy 43.5259, 0.4545, 0.4257 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(228, 164, 73) }
```

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

```
.border{ border-color:rgb(228, 164, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 164, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 164, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 164, 73);  
box-shadow:4px 4px 4px 4px rgb(228, 164,  
73) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 43.5259, 0.4545, 0.4257$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 164, 73) }
```

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

```
.background{ background-color: rgb(228,  
164, 73) }
```

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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