

Converting Colors

$Y_{xy}(45.8069, 0.4323, 0.4058)$

Have a look what the booklet for
Yxy(45.8069, 0.4323, 0.4058)
contains.

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Color

Yxy(45.5834, 0.4322, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	E5A864
RGB	229, 168, 100
RGB Percent	90%, 66%, 39%
CMY	0.1019, 0.3412, 0.6078
CMYK	0.00, 0.27, 0.56, 0.10
HSL	32°, 71%, 65%
HSV	32°, 56%, 90%
XYZ	48.6208, 45.5834, 18.2919
YIQ	178.4870, 58.1840, -8.2160

Conversions

Conversions Part 2

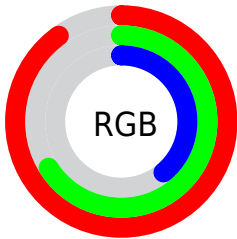
Format	Color
R _Y B	216, 229, 100
Decimal	15050852
CIE Lab	73.27, 15.08, 43.57
CIE LCh	73, 46.101, 70.909
Yxy	45.5834, 0.4322, 0.4052
Android (android.graphics.Color)	4293240932 (0xFFE5A864)
YUV	178.4870, -38.6941, 44.2999
Hunter-Lab	67.5155, 10.3934, 31.1975

Details

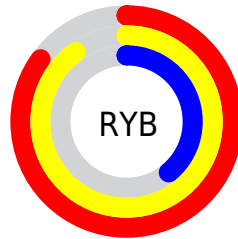
The Yxy color **45.5834, 0.4322, 0.4052** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.8652, 0.2217, 0.2336**, and the grayscale version is **44.9802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3024, 0.3854, 0.4012**, and **21.2671, 0.4628, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **41.3684, 0.4587, 0.4148**, and if you desaturate by 10%, it is **50.2607, 0.4064, 0.3930**.

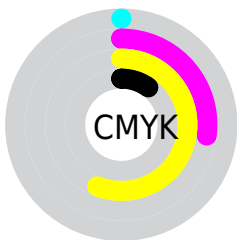
Distribution



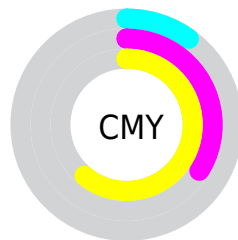
- Red (90%)
- Green (66%)
- Blue (39%)



- Red (85%)
- Yellow (90%)
- Blue (39%)



- Cyan (0%)
- Magenta (27%)
- Yellow (56%)
- Black (10%)




- Cyan (10%)
- Magenta (34%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5834, 0.4322, 0.4052 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 45.5834, 0.4322, 0.4052 by changing the saturation by 10% instead.

 45.5834, 0.4322,
0.4052


 45.5834, 0.4322,
0.4052


369.1312, 0.3734,
0.3707

 31.9172, 0.4459,
0.4122


 83.5952, 0.4114,
0.3938

 21.2983, 0.4628,
0.4200


 108.7095, 0.4034,
0.3892

 13.3422, 0.4836,
0.4284

 138.4087, 0.3965,
0.3851

 7.6646, 0.5091,
0.4360

 173.0772, 0.3906,
0.3815

 3.8811, 0.5511,
0.4489

213.0993, 0.3855,
0.3783

 1.6073, 0.5715,
0.4285

258.8594, 0.3810,

 0.3625, 0.6628,

0.3755

0.3372

310.7419, 0.3770,
0.3730

0.0000, 0.0000,
0.0000

45.5834, 0.4322,
0.4052

45.5834, 0.4322,
0.4052

41.3684, 0.4587,
0.4148

50.2607, 0.4064,
0.3930

37.5901, 0.4846,
0.4205

55.4108, 0.3821,
0.3792

34.2299, 0.5082,
0.4211


61.0522, 0.3600,
0.3650

31.2633, 0.5280,
0.4163

67.2000, 0.3402,
0.3508


30.2633, 0.5347,
0.4136

73.8685, 0.3227,
0.3372

 81.0715, 0.3073,
0.3244

 88.4751, 0.2969,
0.3177

 95.1802, 0.2970,
0.3286

 95.4013, 0.2970,
0.3290

Harmonies

Analogous

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



45.5834, 0.4405, 0.3574



45.5834, 0.4322, 0.4052



45.5834, 0.3908, 0.4405

Triad

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



45.5834, 0.4322, 0.4052



45.5834, 0.2223, 0.3404



45.5834, 0.2838, 0.2381

Complementary

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



45.5834, 0.4322, 0.4052



33.8652, 0.2217, 0.2336

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.



45.5834, 0.2323, 0.2285



45.5834, 0.4322, 0.4052



45.5834, 0.1998, 0.2795

Square

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



45.5834, 0.4322, 0.4052



45.5834, 0.2692, 0.4062



45.5834, 0.2035, 0.2414



45.5834, 0.3494, 0.2665

Rectangle

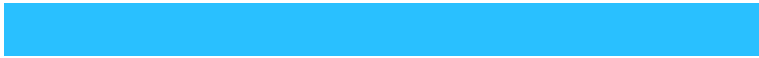
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.5834, 0.4322, 0.4052



45.5834, 0.3519, 0.4480



45.5834, 0.2035, 0.2414



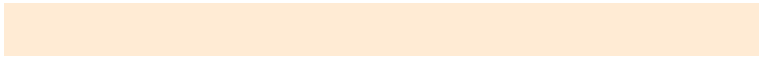
45.5834, 0.2644, 0.2326

Sweetspot

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



45.5856, 0.4322, 0.4052



85.1247, 0.3416, 0.3519



28.3970, 0.3971, 0.2596



17.8717, 0.3455, 0.3547



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.



45.5856, 0.4322, 0.4052



51.7452, 0.4642, 0.4163



73.2796, 0.3917, 0.4633



15.6190, 0.3279, 0.3414



17.5429, 0.5324, 0.4154



1.4821, 0.5115, 0.4321

Inverse Universe

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



33.8652, 0.2217, 0.2336



35.4087, 0.2045, 0.2086



17.6061, 0.2050, 0.1491



15.0058, 0.2981, 0.3163



9.6414, 0.1748, 0.1493



0.8973, 0.1824, 0.1766

Previews

White Background



This preview shows how the Yxy color 45.5834, 0.4322, 0.4052 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 45.5834, 0.4322, 0.4052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

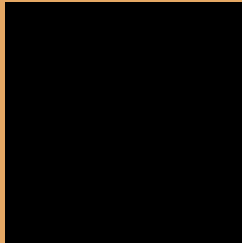
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5834, 0.4322, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 45.5834, 0.4322, 0.4052.



This preview shows how white text looks on a background with the Yxy color 45.5834, 0.4322, 0.4052.

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

45.5834, 0.4322, 0.4052

Protanopia

45.6478, 0.3919, 0.4248

Deuteranopia

45.6215, 0.4218, 0.4136



Tritanopia

45.4370, 0.3745, 0.3145

Trichromacy



Original Color

45.5834, 0.4322, 0.4052

Protanomaly

45.5853, 0.4056, 0.4176

Deuteranomaly

45.7146, 0.4253, 0.4115

Tritanomaly

45.2396, 0.3973, 0.3476

Monochromacy



Original Color

45.5834, 0.4322, 0.4052

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.3444, 0.3547, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5834, 0.4322, 0.4052 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(229, 168, 100)` looks like.

```
.text, #text, p{  
    color:rgb(229, 168, 100)  
}
```

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(229, 168, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 168, 100) }
```

Border

The CSS property to change the border of an element to Yxy 45.5834, 0.4322, 0.4052 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(229, 168, 100) }
```

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

```
.border{ border-color:rgb(229, 168, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 168, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 168, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 168, 100);  
box-shadow:4px 4px 4px 4px rgb(229, 168,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5834, 0.4322, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 168, 100) }
```

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

```
.background{ background-color: rgb(229,  
168, 100) }
```

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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