

Converting Colors

$Y_{xy}(45.5520, 0.4258, 0.3938)$

Have a look what the booklet for
Yxy(45.5520, 0.4258, 0.3938)
contains.

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Color

Yxy(45.5862, 0.4254, 0.3936)

Conversions

Conversions Part 1

Format	Color
Hex	E6A76E
RGB	230, 167, 110
RGB Percent	90%, 65%, 43%
CMY	0.0980, 0.3451, 0.5685
CMYK	0.00, 0.27, 0.52, 0.10
HSL	28°, 71%, 67%
HSV	28°, 52%, 90%
XYZ	49.2692, 45.5862, 20.9632
YIQ	179.3390, 55.8450, -4.3710

Conversions

Conversions Part 2

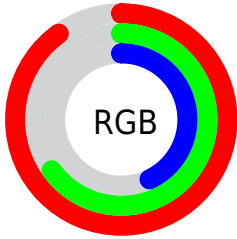
Format	Color
R _Y B	230, 219, 110
Decimal	15116142
CIE Lab	73.28, 16.84, 38.44
CIE LCh	73, 41.966, 66.342
Yxy	45.5862, 0.4254, 0.3936
Android (android.graphics.Color)	4293306222 (0xFFE6A76E)
YUV	179.3390, -34.1841, 44.4297
Hunter-Lab	67.5176, 12.1002, 28.8537

Details

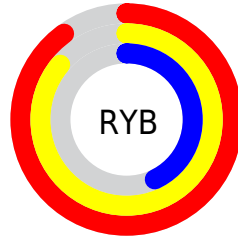
The Yxy color **45.5862, 0.4254, 0.3936** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.9325, 0.2300, 0.2510**, and the grayscale version is **45.4360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1112, 0.3789, 0.3904**, and **21.3690, 0.4557, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **40.9295, 0.4539, 0.4033**, and if you desaturate by 10%, it is **50.7908, 0.3985, 0.3819**.

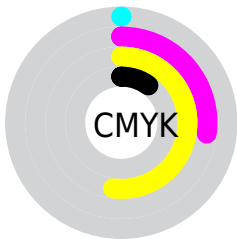
Distribution



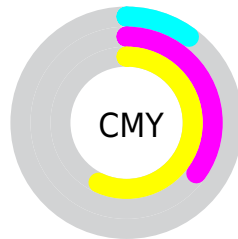
- Red (90%)
- Green (65%)
- Blue (43%)



- Red (90%)
- Yellow (86%)
- Blue (43%)



- Cyan (0%)
- Magenta (27%)
- Yellow (52%)
- Black (10%)



- Cyan (10%)
- Magenta (35%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5862, 0.4254, 0.3936 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 45.5862, 0.4254, 0.3936 by changing the saturation by 10% instead.


 45.5862, 0.4254,
0.3936

 45.5862, 0.4254,
0.3936

369.1425, 0.3694,
0.3643

 31.9194, 0.4388,
0.3996

 83.5994, 0.4054,
0.3838


 21.2999, 0.4555,
0.4065


 108.7145, 0.3977,
0.3799

 13.3434, 0.4765,
0.4140

 138.4146, 0.3912,
0.3765

 7.6655, 0.5034,
0.4213

 173.0840, 0.3856,
0.3734

 3.8816, 0.5507,
0.4360

213.1071, 0.3808,
0.3707

 1.6076, 0.5805,
0.4195

258.8683, 0.3765,

 0.3627, 0.6757,

0.3684

0.3243

310.7520, 0.3727,
0.3662

0.0000, 0.0000,
0.0000

45.5862, 0.4254,
0.3936

45.5862, 0.4254,
0.3936

40.9295, 0.4539,
0.4033

50.7908, 0.3985,
0.3819

36.7924, 0.4827,
0.4096

56.5566, 0.3740,
0.3691

33.1537, 0.5101,
0.4113

62.9046, 0.3521,
0.3562

29.9866, 0.5342,
0.4075

69.8526, 0.3328,
0.3435

27.8074, 0.5502,
0.4013

77.4175, 0.3160,
0.3315

■ 85.6153, 0.3015,
0.3203

■ 93.3852, 0.2975,
0.3255

■ 95.5640, 0.2976,
0.3290

Harmonies

Analogous

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



45.5862, 0.4270, 0.3490



45.5862, 0.4254, 0.3936



45.5862, 0.3919, 0.4276

Triad

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



45.5862, 0.4254, 0.3936



45.5862, 0.2352, 0.3492



45.5862, 0.2782, 0.2426

Complementary

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



45.5862, 0.4254, 0.3936



38.9325, 0.2300, 0.2510

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.



45.5862, 0.2334, 0.2369



45.5862, 0.4254, 0.3936



45.5862, 0.2104, 0.2917

Square

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



45.5862, 0.4254, 0.3936



45.5862, 0.2815, 0.4061



45.5862, 0.2101, 0.2528



45.5862, 0.3371, 0.2666

Rectangle

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



45.5862, 0.4254, 0.3936



45.5862, 0.3578, 0.4369



45.5862, 0.2101, 0.2528



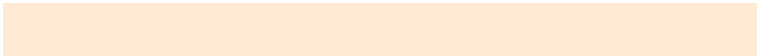
45.5862, 0.2612, 0.2385

Sweetspot

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



45.5884, 0.4254, 0.3936



84.7283, 0.3401, 0.3484



31.0398, 0.3805, 0.2575



17.7462, 0.3441, 0.3510



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.



45.5884, 0.4254, 0.3936



51.0618, 0.4573, 0.4042



72.3470, 0.3905, 0.4510



15.4912, 0.3281, 0.3402



15.9833, 0.5477, 0.4033



1.3661, 0.5241, 0.4221

Inverse Universe

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



38.9325, 0.2300, 0.2510



41.7451, 0.2140, 0.2305



21.0727, 0.2133, 0.1681



15.1336, 0.2981, 0.3176



11.1939, 0.1796, 0.1667



1.0130, 0.1867, 0.1921

Previews

White Background



This preview shows how the Yxy color 45.5862, 0.4254, 0.3936 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 45.5862, 0.4254, 0.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

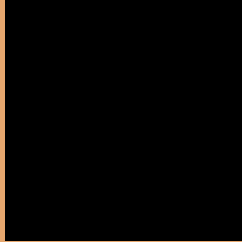
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5862, 0.4254, 0.3936

Background



This preview shows how black text looks on a background with the Yxy color 45.5862, 0.4254, 0.3936.



This preview shows how white text looks on a background with the Yxy color 45.5862, 0.4254, 0.3936.

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

45.5862, 0.4254, 0.3936

Protanopia

45.6161, 0.3814, 0.4124

Deuteranopia

45.6692, 0.4127, 0.4034



Tritanopia

45.3987, 0.3755, 0.3156

Trichromacy



Original Color

45.5862, 0.4254, 0.3936

Protanomaly

45.2621, 0.3971, 0.4055

Deuteranomaly

45.5416, 0.4178, 0.4000

Tritanomaly

45.3342, 0.3944, 0.3441

Monochromacy



Original Color

45.5862, 0.4254, 0.3936

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.9988, 0.3518, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5862, 0.4254, 0.3936 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(230, 167, 110)` looks like.

```
.text, #text, p{  
    color:rgb(230, 167, 110)  
}
```

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(230, 167, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 167, 110) }
```

Border

The CSS property to change the border of an element to Yxy 45.5862, 0.4254, 0.3936 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(230, 167, 110) }
```

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

```
.border{ border-color:rgb(230, 167, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 167, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 167, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 167, 110);  
box-shadow:4px 4px 4px 4px rgb(230, 167,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5862, 0.4254, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 167, 110) }
```

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

```
.background{ background-color: rgb(230,  
167, 110) }
```

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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