

Converting Colors

$Y_{xy}(45.7131, 0.4353, 0.3727)$

Have a look what the booklet for
Yxy(45.7131, 0.4353, 0.3727)
contains.

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Color

Yxy(45.8860, 0.4357, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	F5A077
RGB	245, 160, 119
RGB Percent	96%, 63%, 47%
CMY	0.0392, 0.3725, 0.5334
CMYK	0.00, 0.35, 0.51, 0.04
HSL	20°, 86%, 71%
HSV	20°, 51%, 96%
XYZ	53.5562, 45.8860, 23.4777
YIQ	180.7410, 63.8210, 5.2690

Conversions

Conversions Part 2

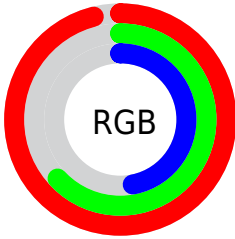
Format	Color
R_{YB}	245, 180, 119
Decimal	16097399
CIE _{Lab}	73.47, 27.33, 34.33
CIE _{LCh}	73, 43.878, 51.483
Yxy	45.8860, 0.4357, 0.3733
Android (android.graphics.Color)	4294287479 (0xFFFF5A077)
YUV	180.7410, -30.4383, 56.3551
Hunter-Lab	67.7392, 22.5827, 26.8681

Details

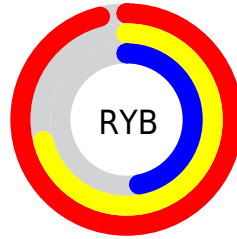
The Yxy color **45.8860, 0.4357, 0.3733** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.6833, 0.2358, 0.2771**, and the grayscale version is **46.2031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8394, 0.3742, 0.3734**, and **21.4816, 0.4686, 0.3802** is the 20% darker color. If you saturate the color by 10%, you get **40.0202, 0.4704, 0.3796**, and if you desaturate by 10%, it is **52.6695, 0.4041, 0.3652**.

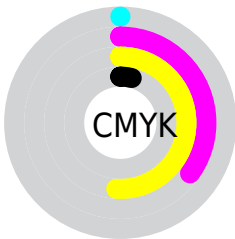
Distribution



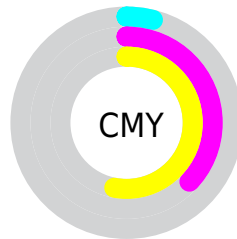
- Red (96%)
- Green (63%)
- Blue (47%)



- Red (96%)
- Yellow (71%)
- Blue (47%)



- Cyan (0%)
- Magenta (35%)
- Yellow (51%)
- Black (4%)




- Cyan (4%)
- Magenta (37%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8860, 0.4357, 0.3733 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 45.8860, 0.4357, 0.3733 by changing the saturation by 10% instead.


 45.8860, 0.4357,
0.3733


 45.8860, 0.4357,
0.3733

370.3501, 0.3740,
0.3546

 32.1559, 0.4507,
0.3767


 84.0484, 0.4135,
0.3674

 21.4806, 0.4696,
0.3802


 109.2494, 0.4051,
0.3650

 13.4757, 0.4938,
0.3834


 139.0428, 0.3979,
0.3627

 7.7570, 0.5255,
0.3851

173.8131, 0.3918,
0.3608

 3.9398, 0.5726,
0.3854

213.9445, 0.3865,
0.3590

 1.6400, 0.6303,
0.3697

259.8216, 0.3818,

 0.3843, 0.7315,

0.3574

0.2685

311.8287, 0.3777,
0.3559

0.0000, 0.0000,
0.0000

45.8860, 0.4357,
0.3733

45.8860, 0.4357,
0.3733

40.0202, 0.4704,
0.3796

52.6695, 0.4041,
0.3652

35.0234, 0.5066,
0.3829

60.4026, 0.3763,
0.3563

30.8526, 0.5417,
0.3819


69.1241, 0.3525,
0.3472

27.4572, 0.5720,
0.3759

78.8683, 0.3321,
0.3384

25.1169, 0.5928,
0.3675

89.6678, 0.3150,
0.3301

 98.1530, 0.3066,
0.3290

Harmonies

Analogous

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



45.8860, 0.4190, 0.3259



45.8860, 0.4357, 0.3733



45.8860, 0.4158, 0.4161

Triad

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



45.8860, 0.4357, 0.3733



45.8860, 0.2535, 0.3815



45.8860, 0.2512, 0.2338

Complementary

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



45.8860, 0.4357, 0.3733



53.6833, 0.2358, 0.2771

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.



45.8860, 0.2154, 0.2385



45.8860, 0.4357, 0.3733



45.8860, 0.2160, 0.3179

Square

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



45.8860, 0.4357, 0.3733



45.8860, 0.3090, 0.4301



45.8860, 0.2032, 0.2665



45.8860, 0.3066, 0.2498

Rectangle

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



45.8860, 0.4357, 0.3733



45.8860, 0.3865, 0.4356



45.8860, 0.2032, 0.2665



45.8860, 0.2368, 0.2329

Sweetspot

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



45.8883, 0.4357, 0.3733



82.4083, 0.3390, 0.3415



37.0123, 0.3582, 0.2398



17.1545, 0.3433, 0.3434



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.



45.8883, 0.4357, 0.3733



43.4193, 0.4729, 0.3799



72.9322, 0.3993, 0.4341



17.3635, 0.3285, 0.3368



13.7538, 0.5898, 0.3699



1.3882, 0.5656, 0.3891

Inverse Universe

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



53.6833, 0.2358, 0.2771



52.7155, 0.2227, 0.2641



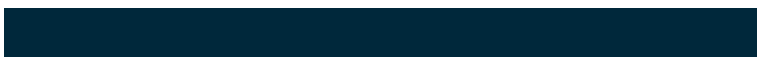
29.8819, 0.2192, 0.1940



17.7951, 0.2980, 0.3211



18.3561, 0.1941, 0.2189



1.7998, 0.1984, 0.2343

Previews

White Background



This preview shows how the Yxy color 45.8860, 0.4357, 0.3733 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 45.8860, 0.4357, 0.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

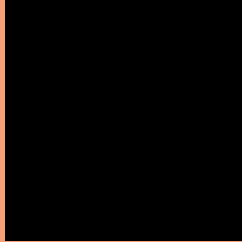
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8860, 0.4357, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 45.8860, 0.4357, 0.3733.



This preview shows how white text looks on a background with the Yxy color 45.8860, 0.4357, 0.3733.

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

45.8860, 0.4357, 0.3733

Protanopia

46.1822, 0.3702, 0.3989

Deuteranopia

46.0535, 0.4053, 0.3970



Tritanopia

45.9676, 0.3964, 0.3174

Trichromacy



Original Color

45.8860, 0.4357, 0.3733

Protanomaly

45.4885, 0.3936, 0.3890

Deuteranomaly

45.7836, 0.4168, 0.3878

Tritanomaly

45.8715, 0.4122, 0.3379

Monochromacy



Original Color

45.8860, 0.4357, 0.3733

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.1931, 0.3544, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8860, 0.4357, 0.3733 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(245, 160, 119)` looks like.

```
.text, #text, p{  
    color:rgb(245, 160, 119)  
}
```

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(245, 160, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 160, 119) }
```

Border

The CSS property to change the border of an element to Yxy 45.8860, 0.4357, 0.3733 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(245, 160, 119) }
```

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

```
.border{ border-color:rgb(245, 160, 119) }
```

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

Here you see how a box with a 4 pixel rgb(245, 160, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 160, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 160, 119);  
box-shadow:4px 4px 4px 4px rgb(245, 160,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8860, 0.4357, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 160, 119) }
```

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

```
.background{ background-color: rgb(245,  
160, 119) }
```

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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