

Converting Colors

$Y_{xy}(45.5358, 0.4319, 0.3723)$

Have a look what the booklet for
Yxy(45.5358, 0.4319, 0.3723)
contains.

Yxy(45.5768, 0.4320, 0.3716)	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(45.5768, 0.4320, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	F3A079
RGB	243, 160, 121
RGB Percent	95%, 63%, 47%
CMY	0.0470, 0.3725, 0.5255
CMYK	0.00, 0.34, 0.50, 0.05
HSL	19°, 84%, 71%
HSV	19°, 50%, 95%
XYZ	52.9849, 45.5768, 24.0885
YIQ	180.3710, 61.9870, 5.4670

Conversions

Conversions Part 2

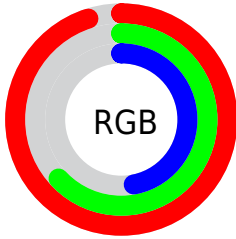
Format	Color
R _Y B	243, 178, 121
Decimal	15966329
CIE Lab	73.27, 26.72, 32.95
CIE LCh	73, 42.424, 50.963
Yxy	45.5768, 0.4320, 0.3716
Android (android.graphics.Color)	4294156409 (0xFFFF3A079)
YUV	180.3710, -29.2699, 54.9256
Hunter-Lab	67.5106, 21.9500, 26.1021

Details

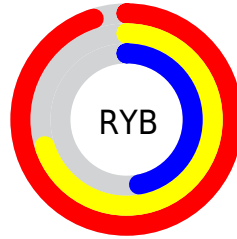
The Yxy color **45.5768, 0.4320, 0.3716** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.7143, 0.2376, 0.2796**, and the grayscale version is **45.9879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9169, 0.3727, 0.3713**, and **21.3834, 0.4650, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **39.7007, 0.4666, 0.3781**, and if you desaturate by 10%, it is **52.3695, 0.4007, 0.3635**.

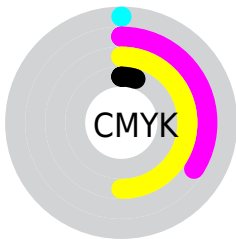
Distribution



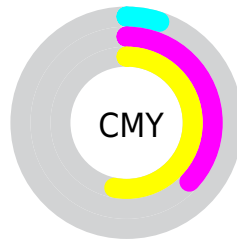
- Red (95%)
- Green (63%)
- Blue (47%)



- Red (95%)
- Yellow (70%)
- Blue (47%)



- Cyan (0%)
- Magenta (34%)
- Yellow (50%)
- Black (5%)





- Cyan (5%)
- Magenta (37%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5768, 0.4320, 0.3716 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 45.5768, 0.4320, 0.3716 by changing the saturation by 10% instead.


 45.5768, 0.4320,
0.3716

 45.5768, 0.4320,
0.3716


369.1046, 0.3721,
0.3535


 31.9120, 0.4467,
0.3749


 83.5853, 0.4104,
0.3659

 21.2943, 0.4651,
0.3784


 108.6978, 0.4022,
0.3635

 13.3393, 0.4890,
0.3817


 138.3949, 0.3952,
0.3613

 7.6626, 0.5204,
0.3837

173.0611, 0.3893,
0.3594

 3.8798, 0.5665,
0.3839

213.0808, 0.3841,
0.3577

 1.6066, 0.6284,
0.3716

258.8384, 0.3796,

 0.3620, 0.7354,

0.3561

0.2646

310.7182, 0.3756,
0.3548

0.0000, 0.0000,
0.0000

45.5768, 0.4320,
0.3716

45.5768, 0.4320,
0.3716

39.7007, 0.4666,
0.3781

52.3695, 0.4007,
0.3635

34.6932, 0.5030,
0.3816

60.1107, 0.3733,
0.3547

30.5115, 0.5386,
0.3811

68.8386, 0.3498,
0.3458

27.1059, 0.5700,
0.3757

78.5875, 0.3299,
0.3372

24.4631, 0.5942,
0.3664

89.3898, 0.3130,
0.3292

 97.7957, 0.3054,
0.3290

Harmonies

Analogous

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



45.5768, 0.4150, 0.3254



45.5768, 0.4320, 0.3716



45.5768, 0.4134, 0.4131

Triad

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



45.5768, 0.4320, 0.3716



45.5768, 0.2561, 0.3808



45.5768, 0.2522, 0.2363

Complementary

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



45.5768, 0.4320, 0.3716



53.7143, 0.2376, 0.2796

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.



45.5768, 0.2177, 0.2413



45.5768, 0.4320, 0.3716



45.5768, 0.2192, 0.3195

Square

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



45.5768, 0.4320, 0.3716



45.5768, 0.3104, 0.4271



45.5768, 0.2062, 0.2692



45.5768, 0.3059, 0.2515

Rectangle

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



45.5768, 0.4320, 0.3716



45.5768, 0.3854, 0.4321



45.5768, 0.2062, 0.2692



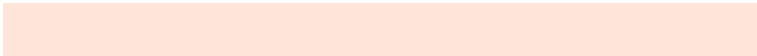
45.5768, 0.2383, 0.2356

Sweetspot

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



45.5791, 0.4320, 0.3716



82.2852, 0.3391, 0.3413



37.1040, 0.3567, 0.2418



17.1251, 0.3434, 0.3431



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.



45.5791, 0.4320, 0.3716



44.3288, 0.4664, 0.3780



71.9562, 0.3972, 0.4319



17.3475, 0.3286, 0.3366



13.6403, 0.5913, 0.3687



1.3766, 0.5670, 0.3880

Inverse Universe

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



53.7143, 0.2376, 0.2796



54.2229, 0.2253, 0.2678



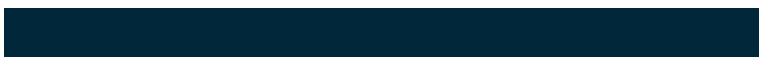
30.2871, 0.2217, 0.1979



17.8120, 0.2980, 0.3213



18.6331, 0.1947, 0.2210



1.8227, 0.1989, 0.2361

Previews

White Background



This preview shows how the Yxy color 45.5768, 0.4320, 0.3716 looks on a white background.

Color Contrast Check

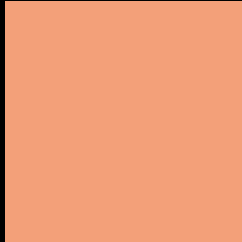
Large Text (above 18pt) WCAG AA × Fail

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 45.5768, 0.4320, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

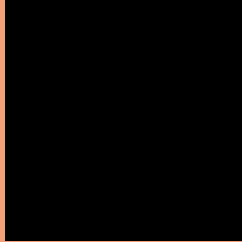
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5768, 0.4320, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 45.5768, 0.4320, 0.3716.



This preview shows how white text looks on a background with the Yxy color 45.5768, 0.4320, 0.3716.

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

45.5768, 0.4320, 0.3716

Protanopia

45.6968, 0.3680, 0.3954

Deuteranopia

45.5887, 0.4023, 0.3927



Tritanopia

45.6385, 0.3935, 0.3162

Trichromacy



Original Color

45.5768, 0.4320, 0.3716

Protanomaly

45.3905, 0.3909, 0.3868

Deuteranomaly

45.5301, 0.4122, 0.3850

Tritanomaly

45.5718, 0.4082, 0.3358

Monochromacy



Original Color

45.5768, 0.4320, 0.3716

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.0869, 0.3525, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5768, 0.4320, 0.3716 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(243, 160, 121)` looks like.

```
.text, #text, p{  
    color:rgb(243, 160, 121)  
}
```

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(243, 160, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 160, 121) }
```

Border

The CSS property to change the border of an element to Yxy 45.5768, 0.4320, 0.3716 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(243, 160, 121) }
```

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

```
.border{ border-color:rgb(243, 160, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 160, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 160, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 160, 121);  
box-shadow:4px 4px 4px 4px rgb(243, 160,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5768, 0.4320, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 160, 121) }
```

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

```
.background{ background-color: rgb(243,  
160, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor