

Converting Colors

$Y_{xy}(45.1793, 0.4779, 0.4134)$

Have a look what the booklet for
Yxy(45.1793, 0.4779, 0.4134)
contains.

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Color

Yxy(45.2077, 0.4776, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	F89F47
RGB	248, 159, 71
RGB Percent	97%, 62%, 28%
CMY	0.0275, 0.3764, 0.7216
CMYK	0.00, 0.36, 0.71, 0.03
HSL	30°, 93%, 63%
HSV	30°, 71%, 97%
XYZ	52.2410, 45.2077, 11.9336
YIQ	175.5790, 81.2920, -8.5000

Conversions

Conversions Part 2

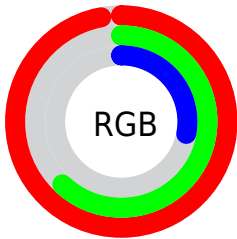
Format	Color
R_{YB}	248, 246, 71
Decimal	16293703
CIE _{Lab}	73.03, 25.83, 57.79
CIE _{LCh}	73, 63.294, 65.918
Yxy	45.2077, 0.4776, 0.4133
Android (android.graphics.Color)	4294483783 (0xFFFF89F47)
YUV	175.5790, -51.5574, 63.5132
Hunter-Lab	67.2367, 21.0252, 36.5425

Details

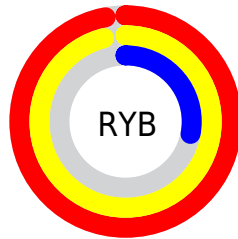
The Yxy color **45.2077, 0.4776, 0.4133** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.2431, 0.2021, 0.2093**, and the grayscale version is **43.4288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7832, 0.4089, 0.4203**, and **20.9862, 0.5149, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **40.8802, 0.5041, 0.4157**, and if you desaturate by 10%, it is **50.1020, 0.4497, 0.4063**.

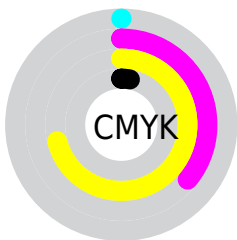
Distribution



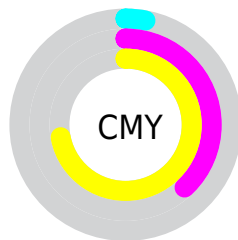
- Red (97%)
- Green (62%)
- Blue (28%)



- Red (97%)
- Yellow (96%)
- Blue (28%)



- Cyan (0%)
- Magenta (36%)
- Yellow (71%)
- Black (3%)



- Cyan (3%)
- Magenta (38%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2077, 0.4776, 0.4133 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 45.2077, 0.4776, 0.4133 by changing the saturation by 10% instead.


 45.2077, 0.4776,
0.4133


 45.2077, 0.4776,
0.4133


367.6141, 0.3983,
0.3797


 31.6211, 0.4949,
0.4182


 83.0320, 0.4504,
0.4036


 21.0722, 0.5152,
0.4222


 108.0384, 0.4396,
0.3992

 13.1768, 0.5387,
0.4241


 137.6203, 0.4303,
0.3951

 7.5504, 0.5732,
0.4268

 172.1619, 0.4223,
0.3914

 3.8086, 0.5933,
0.4067

 212.0477, 0.4152,
0.3881

 1.5671, 0.6253,
0.3747

257.6621, 0.4089,

 0.3353, 0.7399,

0.3850

0.2601

309.3894, 0.4033,
0.3822

0.0000, 0.0000,
0.0000

45.2077, 0.4776,
0.4133

45.2077, 0.4776,
0.4133

40.8802, 0.5041,
0.4157

50.1020, 0.4497,
0.4063

37.0829, 0.5273,
0.4127


55.5824, 0.4221,
0.3959

34.2001, 0.5442,
0.4061


61.6753, 0.3959,
0.3834

68.4029, 0.3719,
0.3700

75.7860, 0.3504,
0.3565

 83.8444, 0.3314,
0.3432

 92.5967, 0.3148,
0.3307

 98.6922, 0.3084,
0.3290

Harmonies

Analogous

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



45.2077, 0.4843, 0.3498



45.2077, 0.4776, 0.4133



45.2077, 0.4246, 0.4703

Triad

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



45.2077, 0.4776, 0.4133



45.2077, 0.1991, 0.3586



45.2077, 0.2592, 0.2067

Complementary

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



45.2077, 0.4776, 0.4133



33.2431, 0.2021, 0.2093

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.



45.2077, 0.1979, 0.1979



45.2077, 0.4776, 0.4133



45.2077, 0.1669, 0.2700

Square

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



45.2077, 0.4776, 0.4133



45.2077, 0.2637, 0.4527



45.2077, 0.1673, 0.2169



45.2077, 0.3460, 0.2390

Rectangle

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



45.2077, 0.4776, 0.4133



45.2077, 0.3740, 0.4925



45.2077, 0.1673, 0.2169



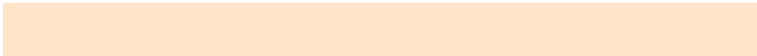
45.2077, 0.2354, 0.2010

Sweetspot

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



45.2100, 0.4776, 0.4133



81.0306, 0.3497, 0.3560



27.0832, 0.4254, 0.2424



16.8616, 0.3554, 0.3597



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.



45.2100, 0.4776, 0.4133



41.5653, 0.5156, 0.4150



85.7286, 0.4098, 0.4846



18.6513, 0.3281, 0.3408



18.7590, 0.5417, 0.4081



1.9493, 0.5232, 0.4228

Inverse Universe

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



33.2431, 0.2021, 0.2093



28.1267, 0.1865, 0.1807



13.0066, 0.1757, 0.1039



18.0849, 0.2980, 0.3169



11.8188, 0.1773, 0.1584



1.3067, 0.1833, 0.1799

Previews

White Background



This preview shows how the Yxy color 45.2077, 0.4776, 0.4133 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 45.2077, 0.4776, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

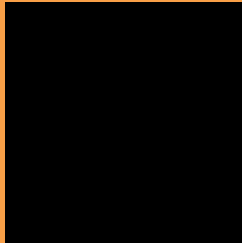
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2077, 0.4776, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 45.2077, 0.4776, 0.4133.



This preview shows how white text looks on a background with the Yxy color 45.2077, 0.4776, 0.4133.

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

45.2077, 0.4776, 0.4133

Protanopia

45.4577, 0.4125, 0.4521

Deuteranopia

45.3905, 0.4477, 0.4385



Tritanopia

45.2685, 0.4059, 0.3176

Trichromacy



Original Color

45.2077, 0.4776, 0.4133

Protanomaly

44.7648, 0.4361, 0.4374

Deuteranomaly

45.3907, 0.4587, 0.4293

Tritanomaly

44.8502, 0.4367, 0.3557

Monochromacy



Original Color

45.2077, 0.4776, 0.4133

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.1410, 0.3717, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2077, 0.4776, 0.4133 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(248, 159, 71)` looks like.

```
.text, #text, p{  
    color:rgb(248, 159, 71)  
}
```

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(248, 159, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 159, 71) }
```

Border

The CSS property to change the border of an element to Yxy 45.2077, 0.4776, 0.4133 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(248, 159, 71) }
```

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

```
.border{ border-color:rgb(248, 159, 71) }
```

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

Here you see how a box with a 4 pixel rgb(248, 159, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 159, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 159, 71);  
box-shadow:4px 4px 4px 4px rgb(248, 159,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2077, 0.4776, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 159, 71) }
```

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

```
.background{ background-color: rgb(248,  
159, 71) }
```

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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