

Converting Colors

$Y_{xy}(44.0955, 0.4772, 0.4273)$

Have a look what the booklet for
Yxy(44.0955, 0.4772, 0.4273)
contains.

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Color

Yxy(44.3205, 0.4767, 0.4273)

Conversions

Conversions Part 1

Format	Color
Hex	F0A13A
RGB	240, 161, 58
RGB Percent	94%, 63%, 23%
CMY	0.0588, 0.3686, 0.7724
CMYK	0.00, 0.33, 0.76, 0.06
HSL	34°, 86%, 58%
HSV	34°, 76%, 94%
XYZ	49.4444, 44.3205, 9.9573
YIQ	172.8790, 80.1470, -15.2850

Conversions

Conversions Part 2

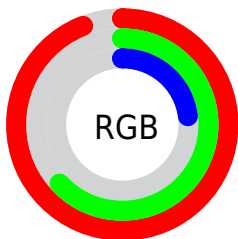
Format	Color
R_{YB}	198, 240, 58
Decimal	15769914
CIE _{Lab}	72.44, 20.91, 62.38
CIE _{LCh}	72, 65.791, 71.468
Yxy	44.3205, 0.4767, 0.4273
Android (android.graphics.Color)	4293959994 (0xFFFF0A13A)
YUV	172.8790, -56.6353, 58.8651
Hunter-Lab	66.5736, 16.0684, 37.7336

Details

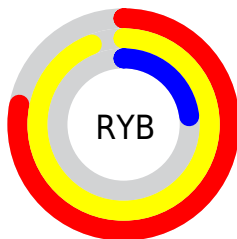
The Yxy color **44.3205, 0.4767, 0.4273** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.0941, 0.1923, 0.1826**, and the grayscale version is **41.9915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5416, 0.4145, 0.4315**, and **20.5210, 0.5089, 0.4341** is the 20% darker color. If you saturate the color by 10%, you get **40.6412, 0.4985, 0.4290**, and if you desaturate by 10%, it is **48.4216, 0.4526, 0.4206**.

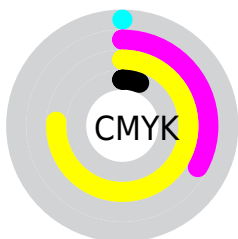
Distribution



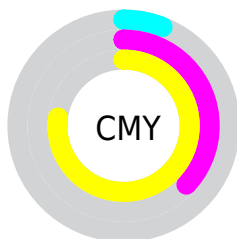
- Red (94%)
- Green (63%)
- Blue (23%)



- Red (78%)
- Yellow (94%)
- Blue (23%)



- Cyan (0%)
- Magenta (33%)
- Yellow (76%)
- Black (6%)





- Cyan (6%)
- Magenta (37%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3205, 0.4767, 0.4273 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 44.3205, 0.4767, 0.4273 by changing the saturation by 10% instead.


 44.3205, 0.4767,
0.4273


 44.3205, 0.4767,
0.4273


364.0145, 0.3990,
0.3873

 30.9226, 0.4930,
0.4332


 81.6998, 0.4505,
0.4156


 20.5399, 0.5117,
0.4383


 106.4499, 0.4399,
0.4104


 12.7881, 0.5327,
0.4412


 135.7529, 0.4308,
0.4055

 7.2828, 0.5586,
0.4414

 169.9932, 0.4228,
0.4012

 3.6396, 0.5758,
0.4242

 209.5551, 0.4158,
0.3972

 1.4741, 0.6039,
0.3961

254.8230, 0.4095,

 0.2704, 0.7395,

0.3936

0.2605

306.1814, 0.4040,
0.3903

■ 0.0000, 0.0000,
0.0000

■ 44.3205, 0.4767,
0.4273

■ 44.3205, 0.4767,
0.4273

■ 40.6412, 0.4985,
0.4290

■ 48.4216, 0.4526,
0.4206

■ 37.3522, 0.5167,
0.4252

■ 52.9587, 0.4277,
0.4100

■ 36.0788, 0.5236,
0.4225

■ 57.9530, 0.4031,
0.3968


■ 63.4217, 0.3799,
0.3821

■ 69.3809, 0.3584,
0.3668

 75.8456, 0.3391,
0.3517

 82.8300, 0.3218,
0.3371

 90.3478, 0.3066,
0.3234

 97.1238, 0.3035,
0.3288

Harmonies

Analogous

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



44.3205, 0.4950, 0.3616



44.3205, 0.4767, 0.4273



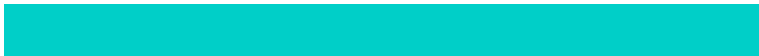
44.3205, 0.4144, 0.4842

Triad

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



44.3205, 0.4767, 0.4273



44.3205, 0.1855, 0.3403



44.3205, 0.2718, 0.2067

Complementary

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



44.3205, 0.4767, 0.4273



25.0941, 0.1923, 0.1826

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.



44.3205, 0.2027, 0.1927



44.3205, 0.4767, 0.4273



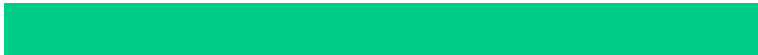
44.3205, 0.1592, 0.2537

Square

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



44.3205, 0.4767, 0.4273



44.3205, 0.2465, 0.4433



44.3205, 0.1655, 0.2062



44.3205, 0.3654, 0.2440

Rectangle

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



44.3205, 0.4767, 0.4273



44.3205, 0.3597, 0.5023



44.3205, 0.1655, 0.2062



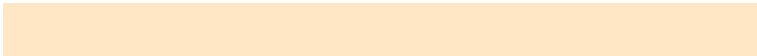
44.3205, 0.2453, 0.1993

Sweetspot

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



44.3228, 0.4767, 0.4273



81.5983, 0.3529, 0.3626



23.4469, 0.4549, 0.2529



16.9084, 0.3603, 0.3682



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.



44.3228, 0.4767, 0.4273



44.5184, 0.5090, 0.4276



79.5975, 0.4043, 0.4962



17.2433, 0.3279, 0.3424



20.0200, 0.5214, 0.4242



1.8630, 0.5043, 0.4378

Inverse Universe

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



25.0941, 0.1923, 0.1826



21.7396, 0.1766, 0.1502



10.5202, 0.1724, 0.0927



16.3576, 0.2980, 0.3153



9.1385, 0.1713, 0.1366



0.9545, 0.1784, 0.1621

Previews

White Background



This preview shows how the Yxy color 44.3205, 0.4767, 0.4273 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 44.3205, 0.4767, 0.4273 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 44.3205, 0.4767, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 44.3205, 0.4767, 0.4273.



This preview shows how white text looks on a background with the Yxy color 44.3205, 0.4767, 0.4273.

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

44.3205, 0.4767, 0.4273

Protanopia

44.3418, 0.4212, 0.4626

Deuteranopia

44.3397, 0.4557, 0.4459



Tritanopia

44.3347, 0.3978, 0.3173

Trichromacy



Original Color

44.3205, 0.4767, 0.4273

Protanomaly

44.1381, 0.4416, 0.4499

Deuteranomaly

44.2160, 0.4634, 0.4391

Tritanomaly

44.1310, 0.4331, 0.3629

Monochromacy



Original Color

44.3205, 0.4767, 0.4273

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8849, 0.3736, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3205, 0.4767, 0.4273 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(240, 161, 58)` looks like.

```
.text, #text, p{  
    color:rgb(240, 161, 58)  
}
```

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(240, 161, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 161, 58) }
```

Border

The CSS property to change the border of an element to Yxy 44.3205, 0.4767, 0.4273 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(240, 161, 58) }
```

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

```
.border{ border-color:rgb(240, 161, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 161, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 161, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 161, 58);  
box-shadow:4px 4px 4px 4px rgb(240, 161,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3205, 0.4767, 0.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 161, 58) }
```

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

```
.background{ background-color: rgb(240,  
161, 58) }
```

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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