

Converting Colors

$Y_{xy}(48.5325, 0.4412, 0.4004)$

Have a look what the booklet for
Yxy(48.5325, 0.4412, 0.4004)
contains.

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Color

Yxy(48.5860, 0.4408, 0.4012)

Conversions

Conversions Part 1

Format	Color
Hex	F2AA66
RGB	242, 170, 102
RGB Percent	95%, 67%, 40%
CMY	0.0511, 0.3332, 0.6000
CMYK	0.00, 0.30, 0.58, 0.05
HSL	29°, 84%, 67%
HSV	29°, 58%, 95%
XYZ	53.3816, 48.5860, 19.1341
YIQ	183.7760, 64.7400, -5.8840

Conversions

Conversions Part 2

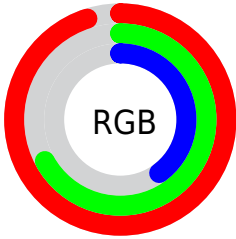
Format	Color
R _{YB}	242, 234, 102
Decimal	15903334
CIE _{Lab}	75.19, 19.46, 45.21
CIE _{LCh}	75, 49.214, 66.714
Yxy	48.5860, 0.4408, 0.4012
Android (android.graphics.Color)	4294093414 (0xFFFF2AA66)
YUV	183.7760, -40.3156, 51.0624
Hunter-Lab	69.7037, 14.7205, 32.5171

Details

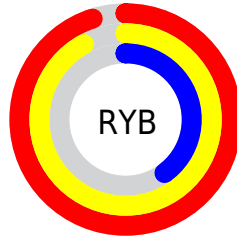
The Yxy color **48.5860, 0.4408, 0.4012** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.4817, 0.2209, 0.2382**, and the grayscale version is **48.0034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4435, 0.3833, 0.4011**, and **23.1499, 0.4724, 0.4144** is the 20% darker color. If you saturate the color by 10%, you get **43.7311, 0.4692, 0.4094**, and if you desaturate by 10%, it is **54.0269, 0.4132, 0.3902**.

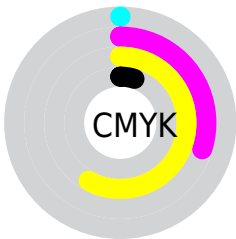
Distribution



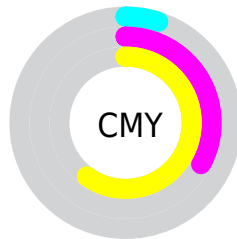
- Red (95%)
- Green (67%)
- Blue (40%)



- Red (95%)
- Yellow (92%)
- Blue (40%)



- Cyan (0%)
- Magenta (30%)
- Yellow (58%)
- Black (5%)





- Cyan (5%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5860, 0.4408, 0.4012 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 48.5860, 0.4408, 0.4012 by changing the saturation by 10% instead.


 48.5860, 0.4408,
0.4012


 48.5860, 0.4408,
0.4012


381.1102, 0.3784,
0.3697


 34.2912, 0.4552,
0.4072

 88.0763, 0.4189,
0.3911


 23.1174, 0.4728,
0.4137


 114.0405, 0.4104,
0.3869

 14.6802, 0.4944,
0.4202


 144.6633, 0.4031,
0.3832

 8.5953, 0.5209,
0.4253

 180.3291, 0.3968,
0.3799

 4.4781, 0.5649,
0.4351

221.4223, 0.3913,
0.3769

 1.9445, 0.5877,
0.4123

268.3273, 0.3865,

 0.5749, 0.6428,

0.3743

0.3572

321.4285, 0.3822,
0.3719

0.0000, 0.0000,
0.0000

48.5860, 0.4408,
0.4012

48.5860, 0.4408,
0.4012

43.7311, 0.4692,
0.4094

54.0269, 0.4132,
0.3902

39.4303, 0.4970,
0.4133

60.0694, 0.3875,
0.3776

35.6584, 0.5221,
0.4121

66.7371, 0.3642,
0.3644

32.3820, 0.5431,
0.4054

74.0500, 0.3435,
0.3512

31.7331, 0.5474,
0.4036

82.0270, 0.3253,
0.3385

 90.6862, 0.3095,
0.3265

 97.6108, 0.3047,
0.3290

Harmonies

Analogous

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



48.5860, 0.4441, 0.3507



48.5860, 0.4408, 0.4012



48.5860, 0.4014, 0.4414

Triad

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



48.5860, 0.4408, 0.4012



48.5860, 0.2238, 0.3508



48.5860, 0.2737, 0.2319

Complementary

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



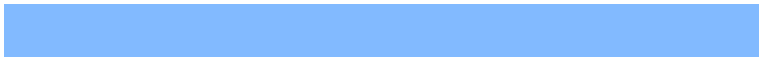
48.5860, 0.4408, 0.4012



39.4817, 0.2209, 0.2382

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.



48.5860, 0.2233, 0.2249



48.5860, 0.4408, 0.4012



48.5860, 0.1970, 0.2846

Square

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



48.5860, 0.4408, 0.4012



48.5860, 0.2755, 0.4182



48.5860, 0.1971, 0.2415



48.5860, 0.3411, 0.2589

Rectangle

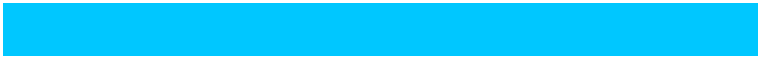
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.5860, 0.4408, 0.4012



48.5860, 0.3621, 0.4533



48.5860, 0.1971, 0.2415



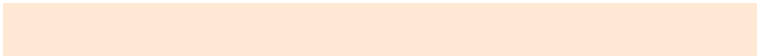
48.5860, 0.2545, 0.2272

Sweetspot

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



48.5884, 0.4408, 0.4012



84.1145, 0.3419, 0.3502



31.4415, 0.3949, 0.2532



17.6334, 0.3459, 0.3528



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.



48.5884, 0.4408, 0.4012



48.5786, 0.4731, 0.4102



81.9330, 0.3965, 0.4637



17.0270, 0.3281, 0.3405



17.3245, 0.5447, 0.4057



1.6397, 0.5239, 0.4222

Inverse Universe

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



39.4817, 0.2209, 0.2382



37.4414, 0.2056, 0.2165



19.2008, 0.2007, 0.1455



16.5724, 0.2980, 0.3172



11.5149, 0.1785, 0.1625



1.1571, 0.1850, 0.1859

Previews

White Background



This preview shows how the Yxy color 48.5860, 0.4408, 0.4012 looks on a white background.

Color Contrast Check

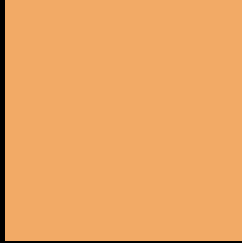
Large Text (above 18pt) WCAG AA × Fail

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 48.5860, 0.4408, 0.4012 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 48.5860, 0.4408, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 48.5860, 0.4408, 0.4012.



This preview shows how white text looks on a background with the Yxy color 48.5860, 0.4408, 0.4012.

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

48.5860, 0.4408, 0.4012

Protanopia

48.8970, 0.3902, 0.4250

Deuteranopia

48.6953, 0.4240, 0.4154



Tritanopia

48.3199, 0.3831, 0.3151

Trichromacy



Original Color

48.5860, 0.4408, 0.4012

Protanomaly

48.4348, 0.4082, 0.4159

Deuteranomaly

48.3675, 0.4298, 0.4095

Tritanomaly

48.1015, 0.4057, 0.3468

Monochromacy



Original Color

48.5860, 0.4408, 0.4012

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.5524, 0.3572, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5860, 0.4408, 0.4012 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(242, 170, 102)` looks like.

```
.text, #text, p{  
    color:rgb(242, 170, 102)  
}
```

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(242, 170, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 170, 102) }
```

Border

The CSS property to change the border of an element to Yxy 48.5860, 0.4408, 0.4012 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(242, 170, 102) }
```

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

```
.border{ border-color:rgb(242, 170, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 170, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 170, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 170, 102);  
box-shadow:4px 4px 4px 4px rgb(242, 170,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5860, 0.4408, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 170, 102) }
```

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

```
.background{ background-color: rgb(242,  
170, 102) }
```

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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