

Converting Colors

$Y_{xy}(48.7885, 0.4485, 0.3906)$

Have a look what the booklet for
Yxy(48.7885, 0.4485, 0.3906)
contains.

Yxy(48.8223, 0.4483, 0.3907)	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(48.8223, 0.4483, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	FBA66A
RGB	251, 166, 106
RGB Percent	98%, 65%, 42%
CMY	0.0157, 0.3490, 0.5841
CMYK	0.00, 0.34, 0.58, 0.02
HSL	25°, 95%, 70%
HSV	25°, 58%, 98%
XYZ	56.0201, 48.8223, 20.1187
YIQ	184.5750, 69.9200, -0.6400

Conversions

Conversions Part 2

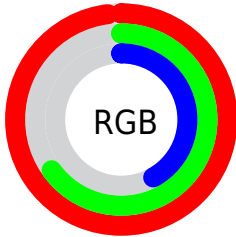
Format	Color
R _Y B	251, 208, 106
Decimal	16492138
CIE Lab	75.34, 25.51, 43.57
CIE LCh	75, 50.487, 59.654
Yxy	48.8223, 0.4483, 0.3907
Android (android.graphics.Color)	4294682218 (0xFFFBA66A)
YUV	184.5750, -38.7375, 58.2547
Hunter-Lab	69.8730, 20.8332, 31.8395

Details

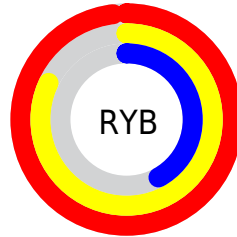
The Yxy color **48.8223, 0.4483, 0.3907** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.3028, 0.2240, 0.2523**, and the grayscale version is **48.4609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4415, 0.3821, 0.3934**, and **23.3965, 0.4833, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **43.3287, 0.4802, 0.3972**, and if you desaturate by 10%, it is **55.0858, 0.4179, 0.3814**.

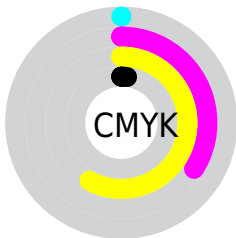
Distribution



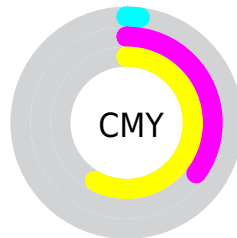
- Red (98%)
- Green (65%)
- Blue (42%)



- Red (98%)
- Yellow (82%)
- Blue (42%)



- Cyan (0%)
- Magenta (34%)
- Yellow (58%)
- Black (2%)




- Cyan (2%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8223, 0.4483, 0.3907 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 48.8223, 0.4483, 0.3907 by changing the saturation by 10% instead.


 48.8223, 0.4483,
0.3907

 48.8223, 0.4483,
0.3907

382.0423, 0.3819,
0.3649


 34.4785, 0.4638,
0.3953


 88.4275, 0.4248,
0.3827


 23.2615, 0.4828,
0.3999


 114.4577, 0.4158,
0.3792

 14.7867, 0.5064,
0.4042


 145.1521, 0.4081,
0.3762

 8.6698, 0.5357,
0.4063

 180.8953, 0.4014,
0.3734

 4.5265, 0.5863,
0.4129

222.0715, 0.3956,
0.3709

 1.9722, 0.6149,
0.3851

269.0651, 0.3904,

 0.5912, 0.6759,

0.3687

0.3241

322.2606, 0.3859,
0.3667

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.8223, 0.4483,
0.3907

48.8223, 0.4483,
0.3907

43.3287, 0.4802,
0.3972

55.0858, 0.4179,
0.3814

38.5633, 0.5117,
0.3996


62.1434, 0.3901,
0.3706


34.4906, 0.5404,
0.3968


70.0272, 0.3655,
0.3592


31.0661, 0.5640,
0.3887

78.7651, 0.3439,
0.3479

 30.3749, 0.5689,
0.3865

 88.3834, 0.3253,
0.3370

 98.8015, 0.3103,
0.3283

 99.2469, 0.3102,
0.3290

Harmonies

Analogous

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



48.8223, 0.4418, 0.3386



48.8223, 0.4483, 0.3907



48.8223, 0.4153, 0.4359

Triad

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



48.8223, 0.4483, 0.3907



48.8223, 0.2322, 0.3687



48.8223, 0.2587, 0.2263

Complementary

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



48.8223, 0.4483, 0.3907



47.3028, 0.2240, 0.2523

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.



48.8223, 0.2128, 0.2244



48.8223, 0.4483, 0.3907



48.8223, 0.1984, 0.2976

Square

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



48.8223, 0.4483, 0.3907



48.8223, 0.2895, 0.4330



48.8223, 0.1923, 0.2473



48.8223, 0.3247, 0.2493

Rectangle

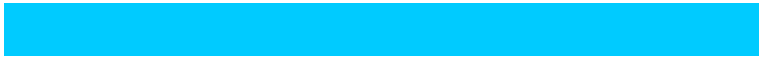
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.8223, 0.4483, 0.3907



48.8223, 0.3780, 0.4539



48.8223, 0.1923, 0.2473



48.8223, 0.2407, 0.2231

Sweetspot

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



48.8248, 0.4483, 0.3907



82.3585, 0.3425, 0.3471



34.6752, 0.3802, 0.2416



17.2199, 0.3465, 0.3493



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.



48.8248, 0.4483, 0.3907



44.2309, 0.4843, 0.3978



81.8239, 0.4030, 0.4547



18.4048, 0.3284, 0.3389



16.2390, 0.5660, 0.3888



1.7075, 0.5446, 0.4058

Inverse Universe

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



47.3028, 0.2240, 0.2523



42.4250, 0.2099, 0.2340



23.5944, 0.2037, 0.1595



18.3343, 0.2980, 0.3189



14.9498, 0.1854, 0.1873



1.5936, 0.1905, 0.2059

Previews

White Background



This preview shows how the Yxy color 48.8223, 0.4483, 0.3907 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 48.8223, 0.4483, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

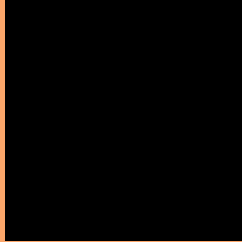
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8223, 0.4483, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 48.8223, 0.4483, 0.3907.



This preview shows how white text looks on a background with the Yxy color 48.8223, 0.4483, 0.3907.

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

48.8223, 0.4483, 0.3907

Protanopia

49.0066, 0.3865, 0.4193

Deuteranopia

48.7747, 0.4209, 0.4114



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

48.8223, 0.4483, 0.3907

Protanomaly

48.5816, 0.4085, 0.4096

Deuteranomaly

48.7399, 0.4310, 0.4033

Tritanomaly

49.0181, 0.4158, 0.3451

Monochromacy



Original Color

48.8223, 0.4483, 0.3907

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.7964, 0.3594, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8223, 0.4483, 0.3907 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(251, 166, 106)` looks like.

```
.text, #text, p{  
    color:rgb(251, 166, 106)  
}
```

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(251, 166, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 166, 106) }
```

Border

The CSS property to change the border of an element to Yxy 48.8223, 0.4483, 0.3907 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(251, 166, 106) }
```

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

```
.border{ border-color:rgb(251, 166, 106) }
```

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

Here you see how a box with a 4 pixel rgb(251, 166, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 166, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 166, 106);  
box-shadow:4px 4px 4px 4px rgb(251, 166,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8223, 0.4483, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 166, 106) }
```

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

```
.background{ background-color: rgb(251,  
166, 106) }
```

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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