

Converting Colors

$Y_{xy}(89.2527, 0.3765, 0.4211)$

Have a look what the booklet for
Yxy(89.2527, 0.3765, 0.4211)
contains.

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Color

Yxy(89.4385, 0.3766, 0.4218)

Conversions

Conversions Part 1

Format	Color
Hex	FFF698
RGB	255, 246, 152
RGB Percent	100%, 96%, 60%
CMY	0.0001, 0.0352, 0.4040
CMYK	0.00, 0.04, 0.40, 0.00
HSL	55°, 100%, 80%
HSV	55°, 40%, 100%
XYZ	79.8543, 89.4385, 42.7473
YIQ	237.9750, 35.5380, -27.3260

Conversions

Conversions Part 2

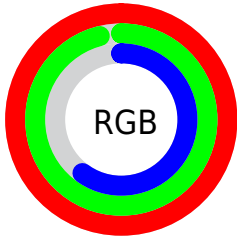
Format	Color
RYB	162, 255, 152
Decimal	16774808
CIELab	95.76, -9.94, 46.25
CIElCh	96, 47.305, 102.130
Yxy	89.4385, 0.3766, 0.4218
Android (android.graphics.Color)	4294964888 (0xFFFFFFFF698)
YUV	237.9750, -42.3857, 14.9309
Hunter-Lab	94.5719, -14.7797, 39.4008

Details

The Yxy color **89.4385, 0.3766, 0.4218** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.3565, 0.2390, 0.2151**, and the grayscale version is **85.7917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **49.5981, 0.3888, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **87.3540, 0.3918, 0.4426**, and if you desaturate by 10%, it is **91.7268, 0.3606, 0.3992**.

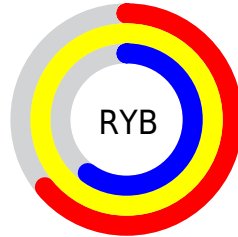
Distribution



Red (100%)

Green (96%)

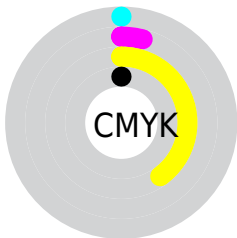
Blue (60%)



Red (64%)

Yellow (100%)

Blue (60%)

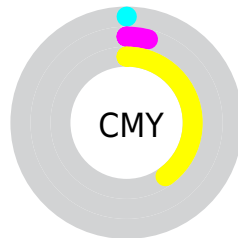


Cyan (0%)

Magenta (4%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4385, 0.3766, 0.4218 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 89.4385, 0.3766, 0.4218 by changing the saturation by 10% instead.


 89.4385, 0.3766,
0.4218

 89.4385, 0.3766,
0.4218


526.2026, 0.3494,
0.3805

 67.5150, 0.3821,
0.4306

 146.5582, 0.3677,
0.4079

 49.5033, 0.3885,
0.4412

 182.5232, 0.3641,
0.4024

 35.0189, 0.3960,
0.4540


223.9376, 0.3609,
0.3976

 23.6774, 0.4047,
0.4697

271.1856, 0.3581,
0.3933

 15.0945, 0.4146,
0.4890

324.6517, 0.3556,
0.3896

 8.8857, 0.4250,
0.5126

384.7203, 0.3533,

 4.6667, 0.4449,

0.3862

0.5551

451.7758, 0.3513,
0.3832

■ 2.0531, 0.4312,
0.5688

■ 0.6380, 0.3631,
0.6369

■ 89.4385, 0.3766,
0.4218

■ 89.4385, 0.3766,
0.4218

■ 87.3540, 0.3918,
0.4426

■ 91.7268, 0.3606,
0.3992

■ 85.4494, 0.4054,
0.4607

■ 94.2174, 0.3444,
0.3759

■ 83.7158, 0.4170,
0.4750

■ 96.9240, 0.3285,
0.3525

■ 82.1382, 0.4260,
0.4851

99.8560, 0.3133,
0.3299

■ 80.6988, 0.4321,
0.4905

99.9951, 0.3127,
0.3290

■ 79.4192, 0.4358,
0.4922

Harmonies

Analogous

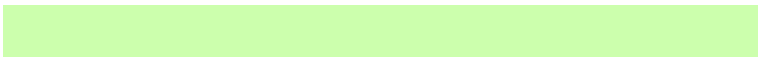
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4385, 0.4108, 0.3954



89.4385, 0.3766, 0.4218



89.4385, 0.3268, 0.4218

Triad

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



89.4385, 0.3766, 0.4218



89.4385, 0.2178, 0.2875



89.4385, 0.3455, 0.2780

Complementary

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



89.4385, 0.3766, 0.4218



39.3565, 0.2390, 0.2151

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.



89.4385, 0.2914, 0.2532



89.4385, 0.3766, 0.4218



89.4385, 0.2217, 0.2557

Square

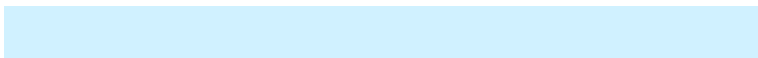
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4385, 0.3766, 0.4218



89.4385, 0.2366, 0.3369



89.4385, 0.2473, 0.2447



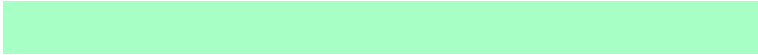
89.4385, 0.3935, 0.3144

Rectangle

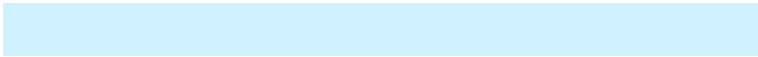
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.4385, 0.3766, 0.4218



89.4385, 0.2920, 0.4034



89.4385, 0.2473, 0.2447



89.4385, 0.3272, 0.2682

Sweetspot

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



89.4426, 0.3766, 0.4218



96.4973, 0.3310, 0.3563



46.3210, 0.4056, 0.3184



20.5770, 0.3331, 0.3593



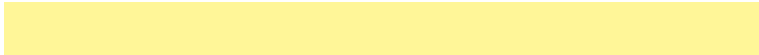
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

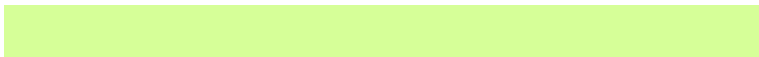
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4426, 0.3766, 0.4218



87.8575, 0.3882, 0.4378



88.0318, 0.3451, 0.4398



20.8045, 0.3271, 0.3505



41.6198, 0.4355, 0.4924



4.1285, 0.4334, 0.4941

Inverse Universe

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



39.3565, 0.2390, 0.2151



31.8927, 0.2231, 0.1896



41.0261, 0.2670, 0.2135



17.6316, 0.2979, 0.3066



4.1622, 0.1515, 0.0655



0.4877, 0.1548, 0.0771

Previews

White Background



This preview shows how the Yxy color 89.4385, 0.3766, 0.4218 looks on a white background.

Color Contrast Check

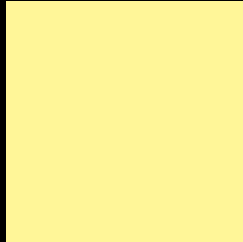
Large Text (above 18pt) WCAG AA × Fail

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 89.4385, 0.3766, 0.4218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

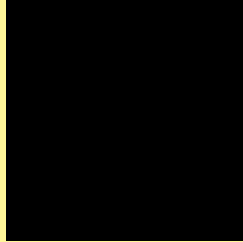
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.4385, 0.3766, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 89.4385, 0.3766, 0.4218.

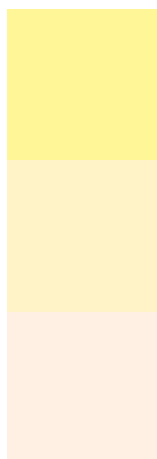


This preview shows how white text looks on a background with the Yxy color 89.4385, 0.3766, 0.4218.

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

89.4385, 0.3766, 0.4218

Protanopia

89.4847, 0.3484, 0.3729

Deuteranopia

89.1262, 0.3309, 0.3418



Tritanopia

89.1864, 0.3178, 0.3193

Trichromacy



Original Color

89.4385, 0.3766, 0.4218



Protanomaly

89.3388, 0.3589, 0.3909



Deuteranomaly

88.9344, 0.3479, 0.3709



Tritanomaly

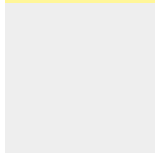
88.9747, 0.3397, 0.3568

Monochromacy



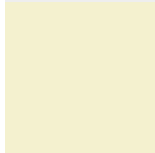
Original Color

89.4385, 0.3766, 0.4218



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.6487, 0.3359, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4385, 0.3766, 0.4218 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(255, 246, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 152)  
}
```

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(255, 246, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 152) }
```

Border

The CSS property to change the border of an element to Yxy 89.4385, 0.3766, 0.4218 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(255, 246, 152) }
```

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

```
.border{ border-color:rgb(255, 246, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 246, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 246, 152); box-shadow:4px 4px 4px 4px rgb(255, 246, 152) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4385, 0.3766, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 152) }
```

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

```
.background{ background-color: rgb(255,  
246, 152) }
```

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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