

Converting Colors

$Y_{xy}(100.0000, 0.3926, 0.4605)$

Have a look what the booklet for
Yxy(100.0000, 0.3926, 0.4605)
contains.

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Color

Yxy(94.0880, 0.3907, 0.4580)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF76
RGB	255, 255, 118
RGB Percent	100%, 100%, 46%
CMY	0.0001, 0.0000, 0.5371
CMYK	0.00, 0.00, 0.54, 0.00
HSL	60°, 100%, 73%
HSV	60°, 54%, 100%
XYZ	80.2624, 94.0880, 31.0819
YIQ	239.3820, 43.9770, -42.6070

Conversions

Conversions Part 2

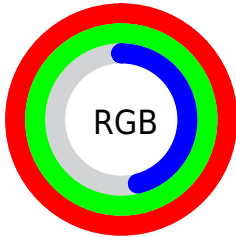
Format	Color
R_YB	118, 255, 118
Decimal	16777078
CIE _{Lab}	97.67, -17.34, 64.29
CIE _{LCh}	98, 66.589, 105.098
Yxy	94.0880, 0.3907, 0.4580
Android (android.graphics.Color)	4294967158 (0xFFFFFFFF76)
YUV	239.3820, -59.8413, 13.6970
Hunter-Lab	96.9990, -22.0473, 48.9007

Details

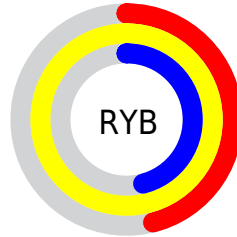
The Yxy color **94.0880, 0.3907, 0.4580** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.0437, 0.2084, 0.1565**, and the grayscale version is **87.0743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **52.4828, 0.4029, 0.4821** is the 20% darker color. If you saturate the color by 10%, you get **93.5544, 0.4014, 0.4758**, and if you desaturate by 10%, it is **94.7742, 0.3779, 0.4369**.

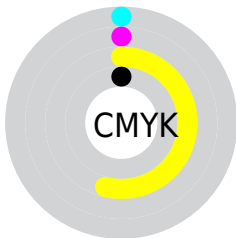
Distribution



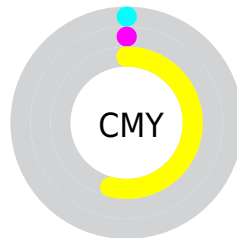
- Red (100%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.0880, 0.3907, 0.4580 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 94.0880, 0.3907, 0.4580 by changing the saturation by 10% instead.


 94.0880, 0.3907,
0.4580

 94.0880, 0.3907,
0.4580


541.2412, 0.3597,
0.4018

 71.3762, 0.3963,
0.4695


 153.0040, 0.3811,
0.4395

 52.6492, 0.4024,
0.4830


 189.9770, 0.3771,
0.4320

 37.5228, 0.4088,
0.4987


 232.4725, 0.3734,
0.4254

 25.6125, 0.4152,
0.5170

280.8749, 0.3701,
0.4196

 16.5340, 0.4204,
0.5380

335.5685, 0.3671,
0.4144

 9.9028, 0.4282,
0.5692

396.9379, 0.3644,

 5.3346, 0.4156,

0.4097

0.5844

465.3673, 0.3619,
0.4056

■ 2.4449, 0.3935,
0.6065

■ 0.8488, 0.3111,
0.6889

■ 94.0880, 0.3907,
0.4580

■ 94.0880, 0.3907,
0.4580

■ 93.5544, 0.4014,
0.4758

■ 94.7742, 0.3779,
0.4369

■ 93.1767, 0.4097,
0.4895

■ 95.6420, 0.3637,
0.4134


■ 92.9336, 0.4153,
0.4988

■ 96.6965, 0.3487,
0.3884

■ 92.8060, 0.4184,
0.5038

■ 97.9478, 0.3333,
0.3631

 92.7677, 0.4193,
0.5053

 99.4053, 0.3182,
0.3381

100.0000, 0.3127,
0.3290

Harmonies

Analogous

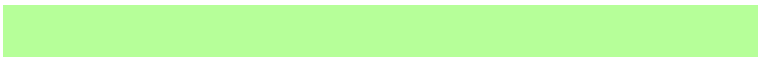
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0880, 0.4421, 0.4195



94.0880, 0.3907, 0.4580



94.0880, 0.3218, 0.4588

Triad

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



94.0880, 0.3907, 0.4580



94.0880, 0.1857, 0.2644



94.0880, 0.3645, 0.2648

Complementary

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



94.0880, 0.3907, 0.4580



24.0437, 0.2084, 0.1565

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.



94.0880, 0.2894, 0.2311



94.0880, 0.3907, 0.4580



94.0880, 0.1939, 0.2269

Square

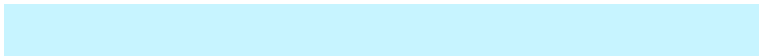
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.0880, 0.3907, 0.4580



94.0880, 0.2059, 0.3303



94.0880, 0.2291, 0.2171



94.0880, 0.4299, 0.3125

Rectangle

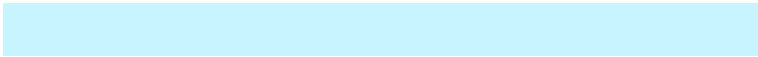
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.0880, 0.3907, 0.4580



94.0880, 0.2754, 0.4300



94.0880, 0.2291, 0.2171



94.0880, 0.3390, 0.2517

Sweetspot

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



94.0824, 0.3907, 0.4580



97.6433, 0.3368, 0.3689



35.5358, 0.4728, 0.3295



20.8431, 0.3400, 0.3741



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.



94.0824, 0.3907, 0.4580



93.5413, 0.4017, 0.4762



83.3335, 0.3437, 0.4821



21.0905, 0.3269, 0.3525



48.4732, 0.4193, 0.5053



4.7197, 0.4193, 0.5053

Inverse Universe

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



24.0437, 0.2084, 0.1565



17.1068, 0.1877, 0.1223



30.6912, 0.2585, 0.1766



17.3780, 0.2978, 0.3044



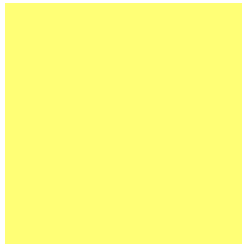
3.7729, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 94.0880, 0.3907, 0.4580 looks on a white background.

Color Contrast Check

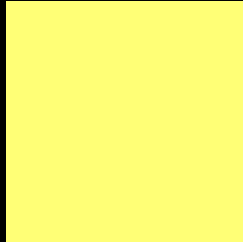
Large Text (above 18pt) WCAG AA × Fail

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 94.0880, 0.3907, 0.4580 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 94.0880, 0.3907, 0.4580

Background



This preview shows how black text looks on a background with the Yxy color 94.0880, 0.3907, 0.4580.



This preview shows how white text looks on a background with the Yxy color 94.0880, 0.3907, 0.4580.

Color Blindness Simulation

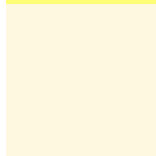
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



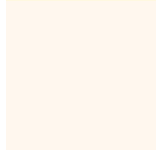
Original Color

94.0880, 0.3907, 0.4580



Protanopia

93.7766, 0.3318, 0.3525



Deuteranopia

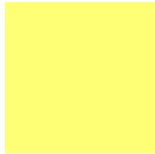
93.9546, 0.3233, 0.3378



Tritanopia

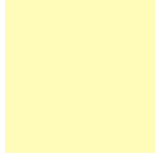
94.1998, 0.3149, 0.3233

Trichromacy



Original Color

94.0880, 0.3907, 0.4580



Protanomaly

93.7571, 0.3553, 0.3943



Deuteranomaly

93.5263, 0.3500, 0.3844



Tritanomaly

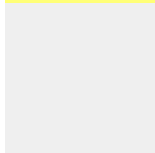
93.3232, 0.3447, 0.3745

Monochromacy



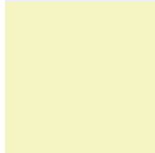
Original Color

94.0880, 0.3907, 0.4580



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.6574, 0.3435, 0.3800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.0880, 0.3907, 0.4580 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, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 118)  
}
```

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, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 118) }
```

Border

The CSS property to change the border of an element to Yxy 94.0880, 0.3907, 0.4580 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, 255, 118) }
```

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

```
.border{ border-color:rgb(255, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 94.0880, 0.3907, 0.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 118) }
```

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

```
.background{ background-color: rgb(255,  
255, 118) }
```

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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