

Converting Colors

$Yxy(93.4252, 0.4029, 0.4786)$

Have a look what the booklet for
Yxy(93.4252, 0.4029, 0.4786)
contains.

Yxy(93.4846, 0.4031, 0.4785)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.4846, 0.4031, 0.4785)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF58
RGB	255, 255, 88
RGB Percent	100%, 100%, 35%
CMY	0.0001, 0.0000, 0.6548
CMYK	0.00, 0.00, 0.65, 0.00
HSL	60°, 100%, 67%
HSV	60°, 65%, 100%
XYZ	78.7537, 93.4846, 23.1318
YIQ	235.9620, 53.6070, -51.9370

Conversions

Conversions Part 2

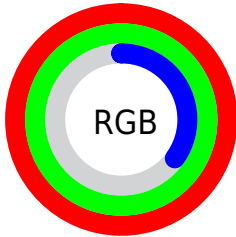
Format	Color
R _Y B	88, 255, 88
Decimal	16777048
CIE Lab	97.42, -19.28, 76.22
CIE LCh	97, 78.620, 104.192
Yxy	93.4846, 0.4031, 0.4785
Android (android.graphics.Color)	4294967128 (0xFFFFFFFF58)
YUV	235.9620, -72.9453, 16.6963
Hunter-Lab	96.6874, -23.8115, 53.4965

Details

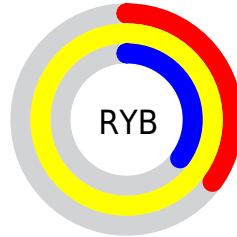
The Yxy color **93.4846, 0.4031, 0.4785** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **16.2825, 0.1850, 0.1178**, and the grayscale version is **84.3831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8553, 0.3766, 0.4347**, and **52.4864, 0.4142, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **93.1266, 0.4109, 0.4914**, and if you desaturate by 10%, it is **93.9791, 0.3928, 0.4614**.

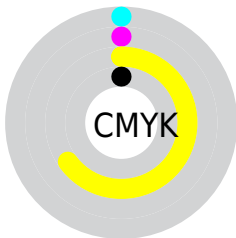
Distribution



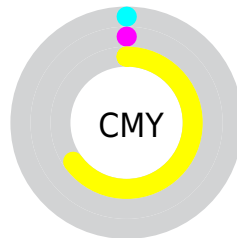
- Red (100%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.4846, 0.4031, 0.4785 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 93.4846, 0.4031, 0.4785 by changing the saturation by 10% instead.

 93.4846, 0.4031,
0.4785


 93.4846, 0.4031,
0.4785


539.3021, 0.3688,
0.4147

 70.8744, 0.4087,
0.4910

 152.1694, 0.3930,
0.4580


 52.2397, 0.4144,
0.5052

 189.0126, 0.3885,
0.4495

 37.1961, 0.4199,
0.5212


 231.3691, 0.3844,
0.4420

 25.3594, 0.4242,
0.5389

 279.6230, 0.3807,
0.4353

 16.3450, 0.4271,
0.5596

334.1589, 0.3773,
0.4293

 9.7686, 0.4224,
0.5776

395.3612, 0.3742,

 5.2458, 0.4069,

0.4240

0.5931

463.6141, 0.3714,
0.4191

■ 2.3922, 0.3819,
0.6181

■ 0.8219, 0.2743,
0.7257

■ 93.4846, 0.4031,
0.4785

■ 93.4846, 0.4031,
0.4785

■ 93.1266, 0.4109,
0.4914

■ 93.9791, 0.3928,
0.4614

■ 92.9058, 0.4161,
0.4999


■ 94.6408, 0.3803,
0.4408

■ 92.7965, 0.4187,
0.5043

■ 95.4763, 0.3663,
0.4176

■ 92.7706, 0.4193,
0.5053

■ 96.4967, 0.3514,
0.3929

 97.7122, 0.3360,
0.3676

 99.1323, 0.3208,
0.3424

100.0000, 0.3127,
0.3290

Harmonies

Analogous

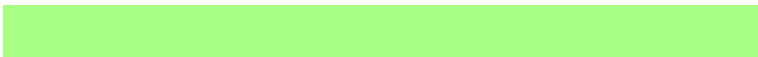
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4846, 0.4635, 0.4288



93.4846, 0.4031, 0.4785



93.4846, 0.3233, 0.4859

Triad

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



93.4846, 0.4031, 0.4785



93.4846, 0.1669, 0.2536



93.4846, 0.3704, 0.2531

Complementary

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



93.4846, 0.4031, 0.4785



16.2825, 0.1850, 0.1178

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.



93.4846, 0.2820, 0.2157



93.4846, 0.4031, 0.4785



93.4846, 0.1755, 0.2112

Square

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



93.4846, 0.4031, 0.4785



93.4846, 0.1896, 0.3317



93.4846, 0.2139, 0.2004



93.4846, 0.4495, 0.3062

Rectangle

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



93.4846, 0.4031, 0.4785



93.4846, 0.2695, 0.4533



93.4846, 0.2139, 0.2004



93.4846, 0.3401, 0.2385

Sweetspot

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



93.4790, 0.4031, 0.4785



97.1378, 0.3430, 0.3790



28.9498, 0.5294, 0.3296



20.7195, 0.3473, 0.3862



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.



93.4790, 0.4031, 0.4785



93.0347, 0.4130, 0.4949



80.9411, 0.3459, 0.5144



21.0906, 0.3269, 0.3525



48.4747, 0.4193, 0.5053



4.7199, 0.4193, 0.5053

Inverse Universe

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



16.2825, 0.1850, 0.1178



10.5896, 0.1642, 0.0834



22.9207, 0.2428, 0.1447



17.3780, 0.2978, 0.3044



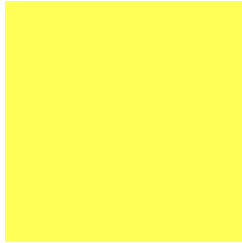
3.7728, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.4846, 0.4031, 0.4785 looks on a white background.

Color Contrast Check

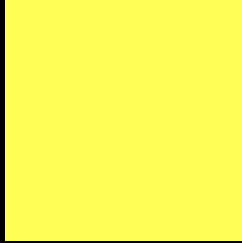
Large Text (above 18pt) WCAG AA × Fail

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 93.4846, 0.4031, 0.4785 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 93.4846, 0.4031, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 93.4846, 0.4031, 0.4785.



This preview shows how white text looks on a background with the Yxy color 93.4846, 0.4031, 0.4785.

Color Blindness Simulation

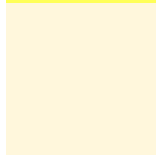
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



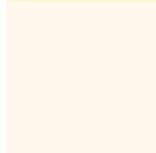
Original Color

93.4846, 0.4031, 0.4785



Protanopia

92.9488, 0.3344, 0.3556



Deuteranopia

93.2277, 0.3246, 0.3388



Tritanopia

93.5299, 0.3156, 0.3232

Trichromacy



Original Color

93.4846, 0.4031, 0.4785



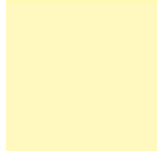
Protanomaly

92.6098, 0.3634, 0.4061



Deuteranomaly

92.3888, 0.3577, 0.3954



Tritanomaly

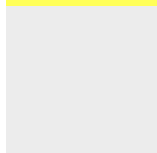
92.8171, 0.3515, 0.3855

Monochromacy



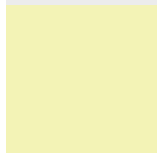
Original Color

93.4846, 0.4031, 0.4785



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

86.5333, 0.3507, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.4846, 0.4031, 0.4785 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 88) }
```

Border

The CSS property to change the border of an element to Yxy 93.4846, 0.4031, 0.4785 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, 88) }
```

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

```
.border{ border-color:rgb(255, 255, 88) }
```

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, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 93.4846, 0.4031, 0.4785 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, 88) }
```

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

```
.background{ background-color: rgb(255,  
255, 88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor