

Converting Colors

Yxy(85.4210, 0.4050, 0.4599)

Have a look what the booklet for
Yxy(85.4210, 0.4050, 0.4599)
contains.

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Color

Yxy(85.7236, 0.4048, 0.4602)

Conversions

Conversions Part 1

Format	Color
Hex	FFF266
RGB	255, 242, 102
RGB Percent	100%, 95%, 40%
CMY	0.0000, 0.0510, 0.5999
CMYK	0.00, 0.05, 0.60, 0.00
HSL	55°, 100%, 70%
HSV	55°, 60%, 100%
XYZ	75.4040, 85.7236, 25.1471
YIQ	229.9270, 52.6880, -40.7840

Conversions

Conversions Part 2

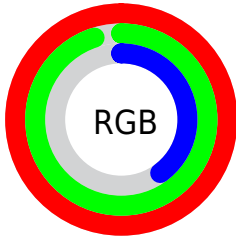
Format	Color
R _Y B	116, 255, 102
Decimal	16773734
CIE Lab	94.19, -12.11, 67.28
CIE LCh	94, 68.363, 100.202
Yxy	85.7236, 0.4048, 0.4602
Android (android.graphics.Color)	4294963814 (0xFFFFF266)
YUV	229.9270, -63.0680, 21.9890
Hunter-Lab	92.5870, -16.6548, 48.7075

Details

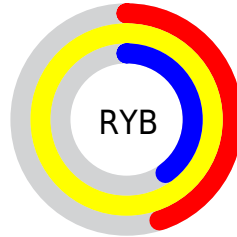
The Yxy color **85.7236, 0.4048, 0.4602** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.3145, 0.1987, 0.1494**, and the grayscale version is **79.5173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **46.9018, 0.4189, 0.4849** is the 20% darker color. If you saturate the color by 10%, you get **84.0050, 0.4164, 0.4748**, and if you desaturate by 10%, it is **87.6035, 0.3911, 0.4420**.

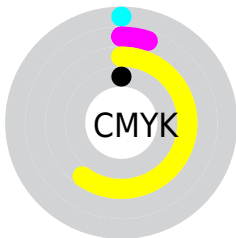
Distribution



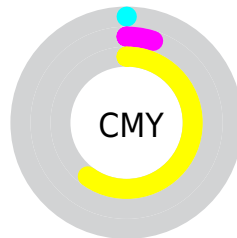
- Red (100%)
- Green (95%)
- Blue (40%)



- Red (45%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (5%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7236, 0.4048, 0.4602 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 85.7236, 0.4048, 0.4602 by changing the saturation by 10% instead.


 85.7236, 0.4048,
0.4602

 85.7236, 0.4048,
0.4602


514.0194, 0.3675,
0.4034


 64.4394, 0.4116,
0.4716


 141.3837, 0.3932,
0.4417

 47.0067, 0.4190,
0.4847


 176.5285, 0.3883,
0.4341

 33.0409, 0.4267,
0.4997


 217.0622, 0.3839,
0.4274

 22.1578, 0.4343,
0.5165

 263.3693, 0.3799,
0.4215

 13.9729, 0.4408,
0.5353

315.8342, 0.3763,
0.4162

 8.1018, 0.4443,
0.5557

374.8412, 0.3731,

 4.1602, 0.4334,

0.4115

0.5666

440.7748, 0.3701,
0.4072

■ 1.7636, 0.4149,
0.5851

■ 0.4643, 0.2389,
0.7611

■ 85.7236, 0.4048,
0.4602

■ 85.7236, 0.4048,
0.4602

■ 84.0050, 0.4164,
0.4748

■ 87.6035, 0.3911,
0.4420

■ 82.4472, 0.4254,
0.4850


■ 89.6719, 0.3759,
0.4211

■ 81.0278, 0.4316,
0.4907

■ 91.9359, 0.3599,
0.3984

■ 79.7178, 0.4354,
0.4925

■ 94.4059, 0.3437,
0.3750

 79.7167, 0.4354,
0.4925

 97.0918, 0.3279,
0.3517

100.0000, 0.3127,
0.3290

Harmonies

Analogous

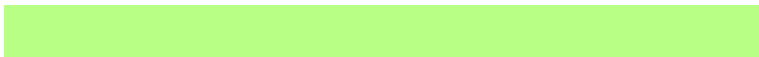
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7236, 0.4546, 0.4147



85.7236, 0.4048, 0.4602



85.7236, 0.3339, 0.4707

Triad

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



85.7236, 0.4048, 0.4602



85.7236, 0.1808, 0.2697



85.7236, 0.3541, 0.2545

Complementary

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



85.7236, 0.4048, 0.4602



22.3145, 0.1987, 0.1494

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.



85.7236, 0.2759, 0.2224



85.7236, 0.4048, 0.4602



85.7236, 0.1847, 0.2258

Square

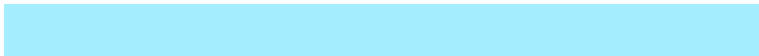
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7236, 0.4048, 0.4602



85.7236, 0.2064, 0.3435



85.7236, 0.2168, 0.2115



85.7236, 0.4275, 0.3023

Rectangle

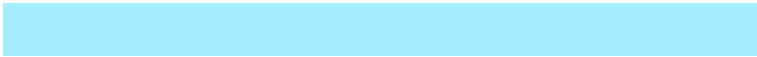
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.7236, 0.4048, 0.4602



85.7236, 0.2844, 0.4464



85.7236, 0.2168, 0.2115



85.7236, 0.3271, 0.2417

Sweetspot

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



85.7188, 0.4048, 0.4602



94.9233, 0.3405, 0.3703



32.0589, 0.4835, 0.3149



20.1563, 0.3452, 0.3772



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.



85.7188, 0.4048, 0.4602



83.6801, 0.4184, 0.4772



83.9238, 0.3553, 0.4940



20.8108, 0.3271, 0.3505



41.7636, 0.4351, 0.4927



4.1410, 0.4331, 0.4943

Inverse Universe

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



22.3145, 0.1987, 0.1494



15.3932, 0.1774, 0.1134



24.5361, 0.2374, 0.1535



17.6259, 0.2979, 0.3065



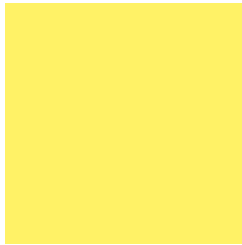
4.1510, 0.1515, 0.0654



0.4850, 0.1547, 0.0768

Previews

White Background



This preview shows how the Yxy color 85.7236, 0.4048, 0.4602 looks on a white background.

Color Contrast Check

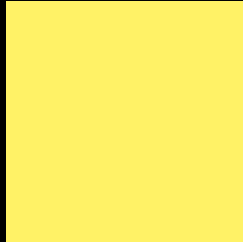
Large Text (above 18pt) WCAG AA × Fail

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 85.7236, 0.4048, 0.4602 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 85.7236, 0.4048, 0.4602

Background



This preview shows how black text looks on a background with the Yxy color 85.7236, 0.4048, 0.4602.

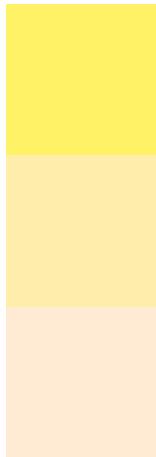


This preview shows how white text looks on a background with the Yxy color 85.7236, 0.4048, 0.4602.

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

85.7236, 0.4048, 0.4602

Protanopia

85.3493, 0.3676, 0.3963

Deuteranopia

85.4301, 0.3413, 0.3520



Tritanopia

85.3840, 0.3220, 0.3192

Trichromacy



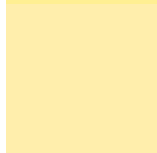
Original Color

85.7236, 0.4048, 0.4602



Protanomaly

85.0683, 0.3828, 0.4213



Deuteranomaly

85.3876, 0.3670, 0.3953



Tritanomaly

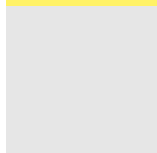
85.0125, 0.3551, 0.3743

Monochromacy



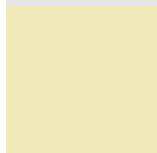
Original Color

85.7236, 0.4048, 0.4602



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.6153, 0.3492, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7236, 0.4048, 0.4602 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, 242, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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(255, 242, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 102) }
```

Border

The CSS property to change the border of an element to Yxy 85.7236, 0.4048, 0.4602 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, 242, 102) }
```

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

```
.border{ border-color:rgb(255, 242, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7236, 0.4048, 0.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 102) }
```

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

```
.background{ background-color: rgb(255,  
242, 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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