

Converting Colors

$Yxy(90.2214, 0.4258, 0.4612)$

Have a look what the booklet for
Yxy(90.2214, 0.4258, 0.4612)
contains.

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Color

Yxy(86.0493, 0.4105, 0.4709)

Conversions

Conversions Part 1

Format	Color
Hex	FFF357
RGB	255, 243, 87
RGB Percent	100%, 95%, 34%
CMY	0.0000, 0.0470, 0.6588
CMYK	0.00, 0.05, 0.66, 0.00
HSL	56°, 100%, 67%
HSV	56°, 66%, 100%
XYZ	75.0122, 86.0493, 21.6722
YIQ	228.8040, 57.2280, -45.9720

Conversions

Conversions Part 2

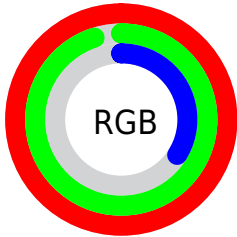
Format	Color
R_{YB}	100, 255, 87
Decimal	16773975
CIE Lab	94.33, -13.51, 73.46
CIE LCh	94, 74.689, 100.423
Yxy	86.0493, 0.4105, 0.4709
Android (android.graphics.Color)	4294964055 (0xFFFFFFFF357)
YUV	228.8040, -69.9094, 22.9739
Hunter-Lab	92.7628, -17.9916, 51.0820

Details

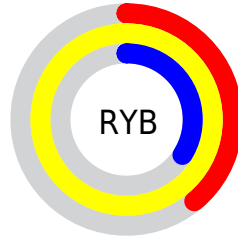
The Yxy color **86.0493, 0.4105, 0.4709** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **18.1699, 0.1871, 0.1286**, and the grayscale version is **78.6974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **47.1898, 0.4244, 0.4958** is the 20% darker color. If you saturate the color by 10%, you get **84.6223, 0.4202, 0.4831**, and if you desaturate by 10%, it is **87.6407, 0.3983, 0.4546**.

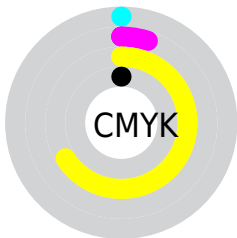
Distribution



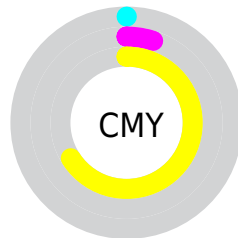
- Red (100%)
- Green (95%)
- Blue (34%)



- Red (39%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (5%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0493, 0.4105, 0.4709 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 86.0493, 0.4105, 0.4709 by changing the saturation by 10% instead.


 86.0493, 0.4105,
0.4709


 86.0493, 0.4105,
0.4709


515.0938, 0.3718,
0.4102

 64.7087, 0.4171,
0.4827


 141.8383, 0.3988,
0.4513


 47.2249, 0.4242,
0.4962


 177.0555, 0.3937,
0.4433

 33.2135, 0.4312,
0.5112


 217.6671, 0.3891,
0.4361

 22.2901, 0.4373,
0.5275

 264.0573, 0.3850,
0.4298

 14.0702, 0.4438,
0.5480

316.6108, 0.3812,
0.4241

 8.1695, 0.4394,
0.5606

375.7117, 0.3778,

 4.2036, 0.4271,

0.4190

0.5729

441.7446, 0.3747,
0.4144

■ 1.7881, 0.4066,
0.5934

■ 0.4797, 0.2082,
0.7918

■ 86.0493, 0.4105,
0.4709

■ 86.0493, 0.4105,
0.4709

■ 84.6223, 0.4202,
0.4831

■ 87.6407, 0.3983,
0.4546

■ 83.3337, 0.4272,
0.4908


■ 89.4007, 0.3843,
0.4350


■ 82.1665, 0.4314,
0.4941

■ 91.3450, 0.3690,
0.4130

■ 81.7088, 0.4327,
0.4947

■ 93.4846, 0.3530,
0.3897

 95.8299, 0.3371,
0.3659

 98.3903, 0.3215,
0.3424

100.0000, 0.3127,
0.3290

Harmonies

Analogous

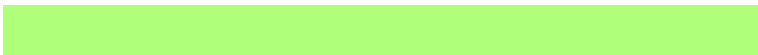
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0493, 0.4656, 0.4200



86.0493, 0.4105, 0.4709



86.0493, 0.3337, 0.4845

Triad

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



86.0493, 0.4105, 0.4709



86.0493, 0.1708, 0.2632



86.0493, 0.3581, 0.2490

Complementary

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



86.0493, 0.4105, 0.4709



18.1699, 0.1871, 0.1286

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.



86.0493, 0.2730, 0.2147



86.0493, 0.4105, 0.4709



86.0493, 0.1754, 0.2170

Square

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



86.0493, 0.4105, 0.4709



86.0493, 0.1973, 0.3434



86.0493, 0.2095, 0.2027



86.0493, 0.4385, 0.2998

Rectangle

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



86.0493, 0.4105, 0.4709



86.0493, 0.2803, 0.4582



86.0493, 0.2095, 0.2027



86.0493, 0.3285, 0.2354

Sweetspot

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



86.0525, 0.4105, 0.4709



94.8383, 0.3436, 0.3757



29.0167, 0.5139, 0.3173



20.1589, 0.3481, 0.3824



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.



86.0525, 0.4105, 0.4709



84.2060, 0.4227, 0.4860



82.5227, 0.3550, 0.5096



20.8555, 0.3271, 0.3508



42.7887, 0.4324, 0.4949



4.2300, 0.4308, 0.4962

Inverse Universe

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



18.1699, 0.1871, 0.1286



12.1181, 0.1668, 0.0935



21.2054, 0.2305, 0.1382



17.5859, 0.2978, 0.3062



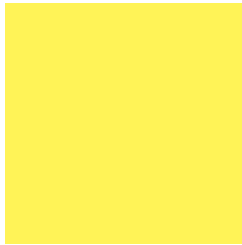
4.0775, 0.1512, 0.0643



0.4661, 0.1539, 0.0742

Previews

White Background



This preview shows how the Yxy color 86.0493, 0.4105, 0.4709 looks on a white background.

Color Contrast Check

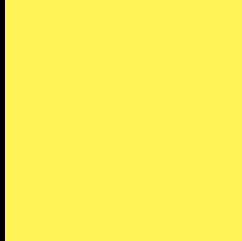
Large Text (above 18pt) WCAG AA × Fail

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 86.0493, 0.4105, 0.4709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

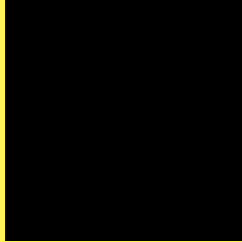
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.0493, 0.4105, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 86.0493, 0.4105, 0.4709.



This preview shows how white text looks on a background with the Yxy color 86.0493, 0.4105, 0.4709.

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

86.0493, 0.4105, 0.4709

Protanopia

86.0101, 0.3660, 0.3953

Deuteranopia

86.0550, 0.3405, 0.3520



Tritanopia

85.9486, 0.3219, 0.3202

Trichromacy



Original Color

86.0493, 0.4105, 0.4709



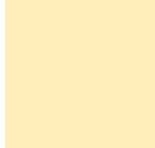
Protanomaly

85.5332, 0.3848, 0.4259



Deuteranomaly

85.7830, 0.3699, 0.4012



Tritanomaly

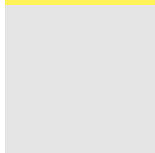
85.3735, 0.3581, 0.3804

Monochromacy



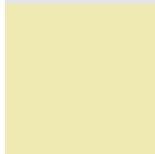
Original Color

86.0493, 0.4105, 0.4709



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.1971, 0.3524, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0493, 0.4105, 0.4709 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, 243, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 87)  
}
```

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, 243, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 87) }
```

Border

The CSS property to change the border of an element to Yxy 86.0493, 0.4105, 0.4709 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, 243, 87) }
```

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

```
.border{ border-color:rgb(255, 243, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0493, 0.4105, 0.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 87) }
```

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

```
.background{ background-color: rgb(255,  
243, 87) }
```

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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