

Converting Colors

$Y_{xy}(85.7458, 0.4115, 0.4717)$

Have a look what the booklet for
Yxy(85.7458, 0.4115, 0.4717)
contains.

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Color

Yxy(86.0171, 0.4113, 0.4721)

Conversions

Conversions Part 1

Format	Color
Hex	FFF355
RGB	255, 243, 85
RGB Percent	100%, 95%, 33%
CMY	0.0000, 0.0471, 0.6667
CMYK	0.00, 0.05, 0.67, 0.00
HSL	56°, 100%, 67%
HSV	56°, 67%, 100%
XYZ	74.9393, 86.0171, 21.2446
YIQ	228.5760, 57.8700, -46.5940

Conversions

Conversions Part 2

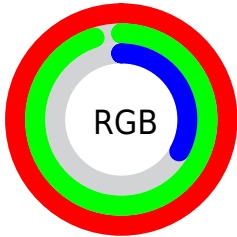
Format	Color
R_{YB}	98, 255, 85
Decimal	16773973
CIE _{Lab}	94.32, -13.60, 74.21
CIE _{LCh}	94, 75.442, 100.388
Yxy	86.0171, 0.4113, 0.4721
Android (android.graphics.Color)	4294964053 (0xFFFFFFFF355)
YUV	228.5760, -70.7830, 23.1738
Hunter-Lab	92.7454, -18.0745, 51.3406

Details

The Yxy color **86.0171, 0.4113, 0.4721** 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 **17.6993, 0.1857, 0.1260**, and the grayscale version is **78.5217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7330, 0.3788, 0.4382**, and **47.1718, 0.4253, 0.4972** is the 20% darker color. If you saturate the color by 10%, you get **84.6075, 0.4207, 0.4840**, and if you desaturate by 10%, it is **87.5784, 0.3993, 0.4561**.

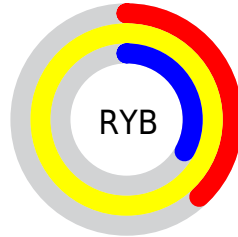
Distribution



Red (100%)

Green (95%)

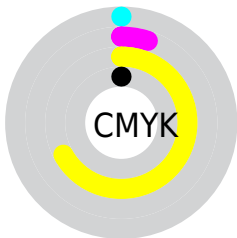
Blue (33%)



Red (38%)

Yellow (100%)

Blue (33%)

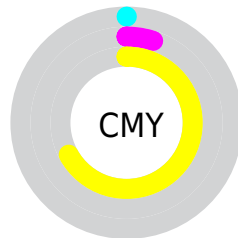


Cyan (0%)

Magenta (5%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0171, 0.4113, 0.4721 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 86.0171, 0.4113, 0.4721 by changing the saturation by 10% instead.


 86.0171, 0.4113,
0.4721

 86.0171, 0.4113,
0.4721


514.9876, 0.3724,
0.4110

 64.6821, 0.4179,
0.4840


 141.7934, 0.3996,
0.4525


 47.2034, 0.4249,
0.4974


 177.0034, 0.3945,
0.4443

 33.1965, 0.4318,
0.5124


 217.6073, 0.3899,
0.4371

 22.2770, 0.4378,
0.5286

 263.9893, 0.3857,
0.4307

 14.0606, 0.4445,
0.5495

316.5340, 0.3819,
0.4250

 8.1628, 0.4390,
0.5610

375.6257, 0.3785,

 4.1993, 0.4267,

0.4198

0.5733

441.6487, 0.3753,
0.4152

■ 1.7857, 0.4060,
0.5940

■ 0.4782, 0.2039,
0.7961

■ 86.0171, 0.4113,
0.4721

■ 86.0171, 0.4113,
0.4721

■ 84.6075, 0.4207,
0.4840

■ 87.5784, 0.3993,
0.4561

■ 83.3402, 0.4275,
0.4913

■ 89.3128, 0.3854,
0.4367

■ 82.1921, 0.4315,
0.4944

■ 91.2302, 0.3702,
0.4149

■ 81.8257, 0.4325,
0.4948

■ 93.3419, 0.3543,
0.3916

 95.6582, 0.3383,
0.3678

 98.1887, 0.3227,
0.3443

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.



86.0171, 0.4670, 0.4205



86.0171, 0.4113, 0.4721



86.0171, 0.3338, 0.4863

Triad

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



86.0171, 0.4113, 0.4721



86.0171, 0.1696, 0.2626



86.0171, 0.3584, 0.2483

Complementary

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



86.0171, 0.4113, 0.4721



17.6993, 0.1857, 0.1260

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.



86.0171, 0.2725, 0.2137



86.0171, 0.4113, 0.4721



86.0171, 0.1743, 0.2160

Square

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



86.0171, 0.4113, 0.4721



86.0171, 0.1963, 0.3435



86.0171, 0.2086, 0.2016



86.0171, 0.4397, 0.2994

Rectangle

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



86.0171, 0.4113, 0.4721



86.0171, 0.2800, 0.4598



86.0171, 0.2086, 0.2016



86.0171, 0.3285, 0.2346

Sweetspot

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



86.0147, 0.4113, 0.4721



94.8636, 0.3436, 0.3757



28.6595, 0.5176, 0.3173



20.1650, 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.



86.0147, 0.4113, 0.4721



84.1709, 0.4233, 0.4869



82.3862, 0.3552, 0.5115



20.8581, 0.3271, 0.3509



42.8488, 0.4323, 0.4950



4.2352, 0.4306, 0.4963

Inverse Universe

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



17.6993, 0.1857, 0.1260



11.7509, 0.1656, 0.0912



20.7664, 0.2293, 0.1362



17.5836, 0.2978, 0.3062



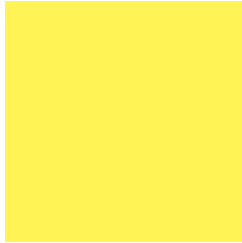
4.0735, 0.1512, 0.0643



0.4650, 0.1539, 0.0740

Previews

White Background



This preview shows how the Yxy color 86.0171, 0.4113, 0.4721 looks on a white background.

Color Contrast Check

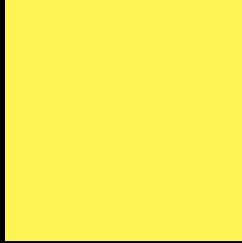
Large Text (above 18pt) WCAG AA × Fail

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 86.0171, 0.4113, 0.4721 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 86.0171, 0.4113, 0.4721

Background



This preview shows how black text looks on a background with the Yxy color 86.0171, 0.4113, 0.4721.



This preview shows how white text looks on a background with the Yxy color 86.0171, 0.4113, 0.4721.

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

86.0171, 0.4113, 0.4721

Protanopia

85.9716, 0.3667, 0.3963

Deuteranopia

86.0550, 0.3405, 0.3520



Tritanopia

85.9486, 0.3219, 0.3202

Trichromacy



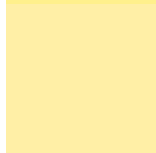
Original Color

86.0171, 0.4113, 0.4721



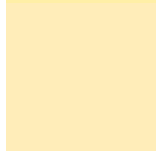
Protanomaly

85.4736, 0.3860, 0.4277



Deuteranomaly

85.7462, 0.3705, 0.4022



Tritanomaly

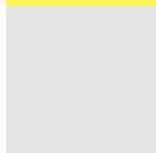
85.3312, 0.3588, 0.3814

Monochromacy



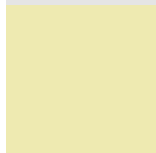
Original Color

86.0171, 0.4113, 0.4721



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 86.0171, 0.4113, 0.4721 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 85) }
```

Border

The CSS property to change the border of an element to Yxy 86.0171, 0.4113, 0.4721 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, 85) }
```

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

```
.border{ border-color:rgb(255, 243, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0171, 0.4113, 0.4721 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, 85) }
```

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

```
.background{ background-color: rgb(255,  
243, 85) }
```

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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