

Converting Colors

$Yxy(87.1377, 0.4206, 0.4690)$

Have a look what the booklet for
Yxy(87.1377, 0.4206, 0.4690)
contains.

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Color

Yxy(85.3583, 0.4134, 0.4738)

Conversions

Conversions Part 1

Format	Color
Hex	FFF251
RGB	255, 242, 81
RGB Percent	100%, 95%, 32%
CMY	0.0000, 0.0510, 0.6826
CMYK	0.00, 0.05, 0.68, 0.00
HSL	56°, 100%, 66%
HSV	56°, 68%, 100%
XYZ	74.4768, 85.3583, 20.3217
YIQ	227.5330, 59.4290, -47.3150

Conversions

Conversions Part 2

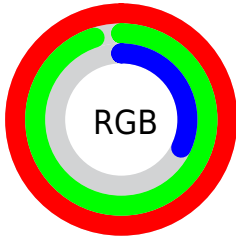
Format	Color
R_{YB}	95, 255, 81
Decimal	16773713
CIE _{Lab}	94.04, -13.34, 75.42
CIE _{LCh}	94, 76.594, 100.028
Yxy	85.3583, 0.4134, 0.4738
Android (android.graphics.Color)	4294963793 (0xFFFFFFFF251)
YUV	227.5330, -72.2408, 24.0886
Hunter-Lab	92.3896, -17.7898, 51.6315

Details

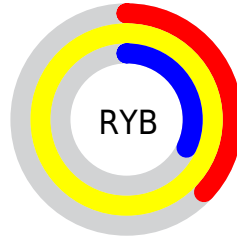
The Yxy color **85.3583, 0.4134, 0.4738** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **16.9597, 0.1831, 0.1221**, and the grayscale version is **77.7262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6150, 0.3809, 0.4417**, and **46.7199, 0.4276, 0.4987** is the 20% darker color. If you saturate the color by 10%, you get **83.9210, 0.4226, 0.4849**, and if you desaturate by 10%, it is **86.9571, 0.4017, 0.4585**.

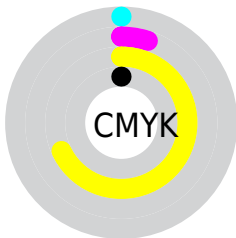
Distribution



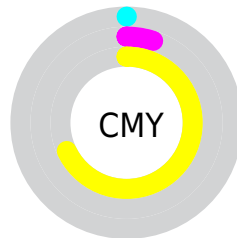
- Red (100%)
- Green (95%)
- Blue (32%)



- Red (37%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (5%)
- Yellow (68%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3583, 0.4134, 0.4738 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 85.3583, 0.4134, 0.4738 by changing the saturation by 10% instead.


 85.3583, 0.4134,
0.4738

 85.3583, 0.4134,
0.4738


512.8129, 0.3738,
0.4121


 64.1375, 0.4201,
0.4857


 140.8737, 0.4015,
0.4541


 46.7620, 0.4271,
0.4991


 175.9370, 0.3963,
0.4459

 32.8476, 0.4339,
0.5139


 216.3833, 0.3916,
0.4386

 22.0097, 0.4397,
0.5298

 262.5969, 0.3874,
0.4321

 13.8640, 0.4472,
0.5514

314.9623, 0.3835,
0.4263

 8.0262, 0.4397,
0.5603


373.8639, 0.3800,


 4.1117, 0.4275,


0.4211


439.6859, 0.3768,
0.4164


0.5725


 1.7362, 0.4069,
0.5931


 0.4470, 0.1817,
0.8183


 85.3583, 0.4134,
0.4738


 85.3583, 0.4134,
0.4738


 83.9210, 0.4226,
0.4849


 86.9571, 0.4017,
0.4585


 82.6188, 0.4290,
0.4915


 88.7225, 0.3880,
0.4396

 81.4313, 0.4328,
0.4939

 90.6703, 0.3728,
0.4181

 81.2307, 0.4333,
0.4942

 92.8120, 0.3569,
0.3951

 95.1580, 0.3409,
0.3714

 97.7179, 0.3252,
0.3479

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.



85.3583, 0.4698, 0.4207



85.3583, 0.4134, 0.4738



85.3583, 0.3348, 0.4895

Triad

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



85.3583, 0.4134, 0.4738



85.3583, 0.1676, 0.2621



85.3583, 0.3580, 0.2465

Complementary

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



85.3583, 0.4134, 0.4738



16.9597, 0.1831, 0.1221

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.



85.3583, 0.2708, 0.2118



85.3583, 0.4134, 0.4738



85.3583, 0.1720, 0.2146

Square

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



85.3583, 0.4134, 0.4738



85.3583, 0.1949, 0.3448



85.3583, 0.2064, 0.1998



85.3583, 0.4411, 0.2981

Rectangle

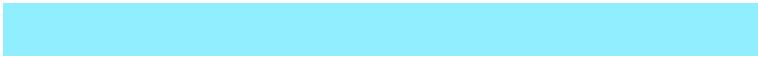
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3583, 0.4134, 0.4738



85.3583, 0.2802, 0.4632



85.3583, 0.2064, 0.1998



85.3583, 0.3276, 0.2327

Sweetspot

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



85.3614, 0.4134, 0.4738



94.7346, 0.3437, 0.3755



27.9699, 0.5250, 0.3174



20.1336, 0.3482, 0.3822



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.



85.3614, 0.4134, 0.4738



83.4188, 0.4253, 0.4879



82.1160, 0.3554, 0.5152



20.8449, 0.3271, 0.3508



42.5427, 0.4330, 0.4944



4.2087, 0.4313, 0.4957

Inverse Universe

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



16.9597, 0.1831, 0.1221



11.1906, 0.1634, 0.0876



19.9131, 0.2269, 0.1321



17.5954, 0.2978, 0.3063



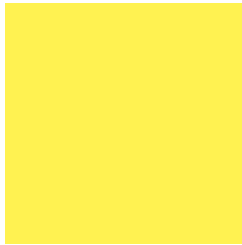
4.0942, 0.1513, 0.0646



0.4706, 0.1541, 0.0748

Previews

White Background



This preview shows how the Yxy color 85.3583, 0.4134, 0.4738 looks on a white background.

Color Contrast Check

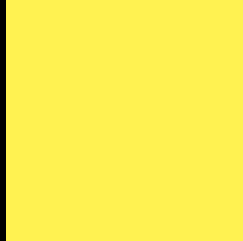
Large Text (above 18pt) WCAG AA × Fail

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 85.3583, 0.4134, 0.4738 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 85.3583, 0.4134, 0.4738

Background



This preview shows how black text looks on a background with the Yxy color 85.3583, 0.4134, 0.4738.

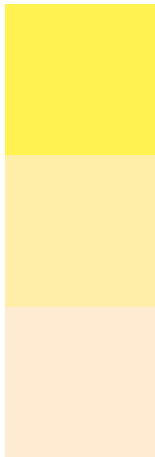


This preview shows how white text looks on a background with the Yxy color 85.3583, 0.4134, 0.4738.

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

85.3583, 0.4134, 0.4738

Protanopia

85.1991, 0.3702, 0.4003

Deuteranopia

85.3298, 0.3427, 0.3541



Tritanopia

85.3241, 0.3227, 0.3202

Trichromacy



Original Color

85.3583, 0.4134, 0.4738



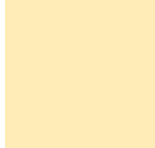
Protanomaly

84.7706, 0.3887, 0.4304



Deuteranomaly

85.0534, 0.3727, 0.4042



Tritanomaly

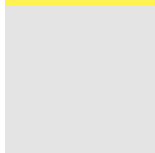
84.6698, 0.3604, 0.3824

Monochromacy



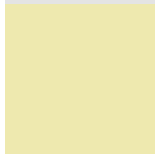
Original Color

85.3583, 0.4134, 0.4738



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.5501, 0.3540, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3583, 0.4134, 0.4738 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 81) }
```

Border

The CSS property to change the border of an element to Yxy 85.3583, 0.4134, 0.4738 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, 81) }
```

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

```
.border{ border-color:rgb(255, 242, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3583, 0.4134, 0.4738 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, 81) }
```

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

```
.background{ background-color: rgb(255,  
242, 81) }
```

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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