

Converting Colors

$Yxy(85.6519, 0.4094, 0.4733)$

Have a look what the booklet for
Yxy(85.6519, 0.4094, 0.4733)
contains.

Yxy(85.6397, 0.4098, 0.4730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.6397, 0.4098, 0.4730)

Conversions

Conversions Part 1

Format	Color
Hex	FDF355
RGB	253, 243, 85
RGB Percent	99%, 95%, 33%
CMY	0.0079, 0.0470, 0.6665
CMYK	0.00, 0.04, 0.66, 0.01
HSL	56°, 98%, 66%
HSV	56°, 66%, 99%
XYZ	74.1969, 85.6397, 21.2198
YIQ	227.9780, 56.6780, -47.0180

Conversions

Conversions Part 2

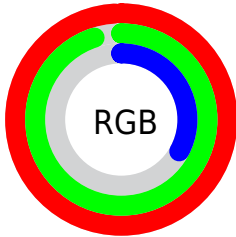
Format	Color
R _Y B	96, 253, 85
Decimal	16642901
CIE Lab	94.16, -14.44, 73.97
CIE LCh	94, 75.368, 101.043
Yxy	85.6397, 0.4098, 0.4730
Android (android.graphics.Color)	4294832981 (0xFFFD355)
YUV	227.9780, -70.4882, 21.9443
Hunter-Lab	92.5417, -18.8325, 51.1840

Details

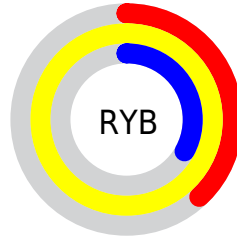
The Yxy color **85.6397, 0.4098, 0.4730** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **17.2115, 0.1857, 0.1250**, and the grayscale version is **78.0648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7330, 0.3788, 0.4382**, and **46.9072, 0.4234, 0.4986** is the 20% darker color. If you saturate the color by 10%, you get **84.4144, 0.4190, 0.4851**, and if you desaturate by 10%, it is **87.0241, 0.3981, 0.4568**.

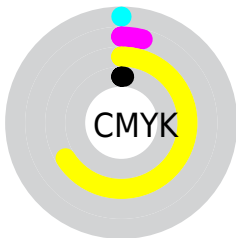
Distribution



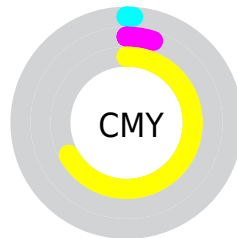
- Red (99%)
- Green (95%)
- Blue (33%)



- Red (38%)
- Yellow (99%)
- Blue (33%)



- Cyan (0%)
- Magenta (4%)
- Yellow (66%)
- Black (1%)




- Cyan (1%)
- Magenta (5%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6397, 0.4098, 0.4730 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 85.6397, 0.4098, 0.4730 by changing the saturation by 10% instead.


 85.6397, 0.4098,
0.4730

 85.6397, 0.4098,
0.4730


513.7424, 0.3716,
0.4113


 64.3701, 0.4163,
0.4850


 141.2666, 0.3983,
0.4531


 46.9505, 0.4231,
0.4987


 176.3926, 0.3933,
0.4449

 32.9965, 0.4298,
0.5140


 216.9063, 0.3887,
0.4376

 22.1238, 0.4355,
0.5306

 263.1920, 0.3846,
0.4312

 13.9479, 0.4419,
0.5521

315.6340, 0.3809,
0.4254

 8.0844, 0.4358,
0.5642

374.6168, 0.3775,

 4.1490, 0.4226,

0.4202

0.5774

440.5248, 0.3744,
0.4155

■ 1.7573, 0.4004,
0.5996

■ 0.4603, 0.1560,
0.8440

■ 85.6397, 0.4098,
0.4730

■ 85.6397, 0.4098,
0.4730

■ 84.4144, 0.4190,
0.4851

■ 87.0241, 0.3981,
0.4568

■ 83.3200, 0.4255,
0.4927

■ 88.5693, 0.3844,
0.4372

■ 82.3403, 0.4293,
0.4960


■ 90.2914, 0.3694,
0.4151

■ 82.0037, 0.4303,
0.4965

■ 92.2015, 0.3537,
0.3916

 94.3097, 0.3378,
0.3675

 96.6252, 0.3223,
0.3438

 98.6891, 0.3115,
0.3276

 99.6209, 0.3115,
0.3290

Harmonies

Analogous

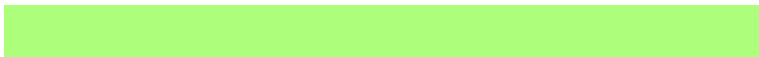
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6397, 0.4662, 0.4218



85.6397, 0.4098, 0.4730



85.6397, 0.3320, 0.4860

Triad

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



85.6397, 0.4098, 0.4730



85.6397, 0.1693, 0.2611



85.6397, 0.3604, 0.2492

Complementary

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



85.6397, 0.4098, 0.4730



17.2115, 0.1857, 0.1250

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.



85.6397, 0.2741, 0.2142



85.6397, 0.4098, 0.4730



85.6397, 0.1746, 0.2154

Square

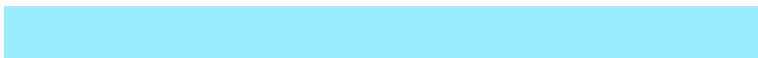
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6397, 0.4098, 0.4730



85.6397, 0.1953, 0.3415



85.6397, 0.2096, 0.2016



85.6397, 0.4412, 0.3006

Rectangle

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



85.6397, 0.4098, 0.4730



85.6397, 0.2783, 0.4585



85.6397, 0.2096, 0.2016



85.6397, 0.3305, 0.2354

Sweetspot

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



85.6437, 0.4098, 0.4730



95.2209, 0.3435, 0.3762



28.2321, 0.5198, 0.3199



20.2521, 0.3480, 0.3830



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.



85.6437, 0.4098, 0.4730



85.5257, 0.4217, 0.4884



80.6297, 0.3532, 0.5119



20.8948, 0.3271, 0.3511



43.7042, 0.4301, 0.4967



4.3093, 0.4288, 0.4978

Inverse Universe

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



17.2115, 0.1857, 0.1250



11.4926, 0.1651, 0.0895



20.8440, 0.2321, 0.1381



17.5509, 0.2978, 0.3059



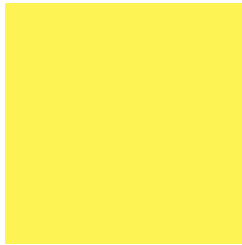
4.0205, 0.1510, 0.0635



0.4496, 0.1533, 0.0718

Previews

White Background



This preview shows how the Yxy color 85.6397, 0.4098, 0.4730 looks on a white background.

Color Contrast Check

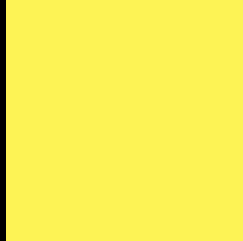
Large Text (above 18pt) WCAG AA × Fail

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 85.6397, 0.4098, 0.4730 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 85.6397, 0.4098, 0.4730

Background



This preview shows how black text looks on a background with the Yxy color 85.6397, 0.4098, 0.4730.

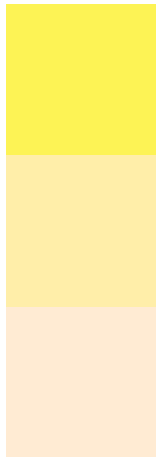


This preview shows how white text looks on a background with the Yxy color 85.6397, 0.4098, 0.4730.

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

85.6397, 0.4098, 0.4730

Protanopia

85.2736, 0.3689, 0.3983

Deuteranopia

85.3798, 0.3420, 0.3531



Tritanopia

85.3840, 0.3220, 0.3192

Trichromacy



Original Color

85.6397, 0.4098, 0.4730



Protanomaly

85.2260, 0.3864, 0.4298



Deuteranomaly

84.9365, 0.3707, 0.4025



Tritanomaly

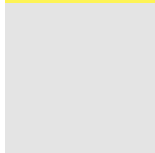
84.5645, 0.3583, 0.3806

Monochromacy



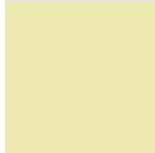
Original Color

85.6397, 0.4098, 0.4730



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.4169, 0.3526, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6397, 0.4098, 0.4730 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(253, 243, 85)` looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 243, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 243, 85) }
```

Border

The CSS property to change the border of an element to Yxy 85.6397, 0.4098, 0.4730 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(253, 243, 85) }
```

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

```
.border{ border-color:rgb(253, 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(253, 243, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 243, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 243, 85);  
box-shadow:4px 4px 4px 4px rgb(253, 243,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6397, 0.4098, 0.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 243, 85) }
```

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

```
.background{ background-color: rgb(253,  
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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