

Converting Colors

Yxy(84.9678, 0.4197, 0.4832)

Have a look what the booklet for
Yxy(84.9678, 0.4197, 0.4832)
contains.

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Color

Yxy(85.1121, 0.4195, 0.4834)

Conversions

Conversions Part 1

Format	Color
Hex	FFF23E
RGB	255, 242, 62
RGB Percent	100%, 95%, 24%
CMY	0.0000, 0.0510, 0.7567
CMYK	0.00, 0.05, 0.76, 0.00
HSL	56°, 100%, 62%
HSV	56°, 76%, 100%
XYZ	73.8612, 85.1121, 17.0964
YIQ	225.3670, 65.5280, -53.2240

Conversions

Conversions Part 2

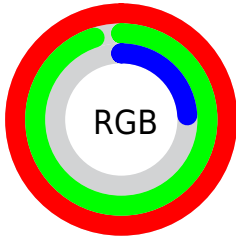
Format	Color
R _Y B	76, 255, 62
Decimal	16773694
CIE Lab	93.93, -14.15, 81.64
CIE LCh	94, 82.857, 99.836
Yxy	85.1121, 0.4195, 0.4834
Android (android.graphics.Color)	4294963774 (0xFFFFF23E)
YUV	225.3670, -80.5399, 25.9881
Hunter-Lab	92.2562, -18.5395, 53.5921

Details

The Yxy color **85.1121, 0.4195, 0.4834** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **13.2798, 0.1711, 0.1007**, and the grayscale version is **76.1336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2101, 0.3884, 0.4541**, and **46.5871, 0.4267, 0.4994** is the 20% darker color. If you saturate the color by 10%, you get **83.8816, 0.4264, 0.4912**, and if you desaturate by 10%, it is **86.4914, 0.4099, 0.4711**.

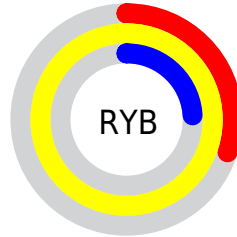
Distribution



Red (100%)

Green (95%)

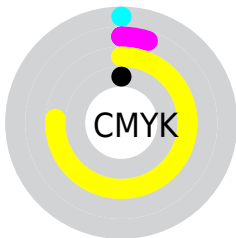
Blue (24%)



Red (30%)

Yellow (100%)

Blue (24%)

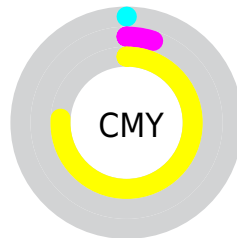


Cyan (0%)

Magenta (5%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1121, 0.4195, 0.4834 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 85.1121, 0.4195, 0.4834 by changing the saturation by 10% instead.

 85.1121, 0.4195,
0.4834

 85.1121, 0.4195,
0.4834


511.9989, 0.3787,
0.4187

 63.9340, 0.4260,
0.4954


 140.5298, 0.4076,
0.4630


 46.5972, 0.4325,
0.5087

 175.5382, 0.4022,
0.4545


 32.7174, 0.4384,
0.5231


 215.9254, 0.3974,
0.4468

 21.9100, 0.4426,
0.5379

 262.0760, 0.3929,
0.4400

 13.7908, 0.4453,
0.5547

 314.3742, 0.3889,
0.4338

 7.9753, 0.4366,
0.5634


373.2045, 0.3852,


 4.0791, 0.4235,


0.4283


0.5765


438.9513, 0.3818,
0.4233

 1.7179, 0.4014,
0.5986

 0.4352, 0.1354,
0.8646


 85.1121, 0.4195,
0.4834


 85.1121, 0.4195,
0.4834

 83.8816, 0.4264,
0.4912


 86.4914, 0.4099,
0.4711

 82.7678, 0.4306,
0.4947

 88.0237, 0.3978,
0.4547


 82.3106, 0.4318,
0.4953

 89.7269, 0.3838,
0.4349

 91.6135, 0.3685,
0.4129

 93.6944, 0.3527,
0.3894

 95.9799, 0.3367,
0.3655

 98.4795, 0.3212,
0.3420

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



85.1121, 0.4808, 0.4244



85.1121, 0.4195, 0.4834



85.1121, 0.3353, 0.5038

Triad

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



85.1121, 0.4195, 0.4834



85.1121, 0.1581, 0.2564



85.1121, 0.3606, 0.2405

Complementary

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



85.1121, 0.4195, 0.4834



13.2798, 0.1711, 0.1007

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.



85.1121, 0.2666, 0.2040



85.1121, 0.4195, 0.4834



85.1121, 0.1629, 0.2065

Square

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



85.1121, 0.4195, 0.4834



85.1121, 0.1865, 0.3460



85.1121, 0.1986, 0.1913



85.1121, 0.4512, 0.2946

Rectangle

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



85.1121, 0.4195, 0.4834



85.1121, 0.2770, 0.4765



85.1121, 0.1986, 0.1913



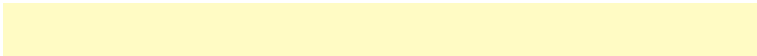
85.1121, 0.3276, 0.2260

Sweetspot

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



85.1161, 0.4195, 0.4834



94.2885, 0.3484, 0.3830



25.2596, 0.5587, 0.3183



20.0116, 0.3542, 0.3916



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.



85.1161, 0.4195, 0.4834



83.2780, 0.4290, 0.4936



80.9325, 0.3556, 0.5308



20.8690, 0.3271, 0.3509



43.0999, 0.4316, 0.4955



4.2570, 0.4301, 0.4967

Inverse Universe

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



13.2798, 0.1711, 0.1007



8.8245, 0.1551, 0.0716



16.4577, 0.2159, 0.1146



17.5739, 0.2978, 0.3061



4.0572, 0.1511, 0.0641



0.4605, 0.1537, 0.0734

Previews

White Background



This preview shows how the Yxy color 85.1121, 0.4195, 0.4834 looks on a white background.

Color Contrast Check

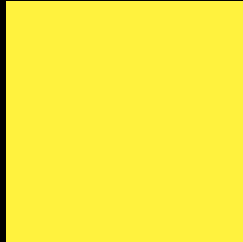
Large Text (above 18pt) WCAG AA × Fail

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 85.1121, 0.4195, 0.4834 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 85.1121, 0.4195, 0.4834

Background



This preview shows how black text looks on a background with the Yxy color 85.1121, 0.4195, 0.4834.

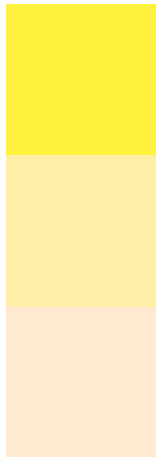


This preview shows how white text looks on a background with the Yxy color 85.1121, 0.4195, 0.4834.

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

85.1121, 0.4195, 0.4834

Protanopia

85.1257, 0.3715, 0.4023

Deuteranopia

84.7091, 0.3435, 0.3541



Tritanopia

84.7627, 0.3227, 0.3192

Trichromacy



Original Color

85.1121, 0.4195, 0.4834



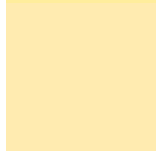
Protanomaly

84.5515, 0.3932, 0.4374



Deuteranomaly

84.2287, 0.3775, 0.4101



Tritanomaly

83.8113, 0.3653, 0.3886

Monochromacy



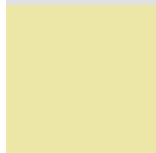
Original Color

85.1121, 0.4195, 0.4834



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.7379, 0.3589, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1121, 0.4195, 0.4834 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 62) }
```

Border

The CSS property to change the border of an element to Yxy 85.1121, 0.4195, 0.4834 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, 62) }
```

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

```
.border{ border-color:rgb(255, 242, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1121, 0.4195, 0.4834 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, 62) }
```

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

```
.background{ background-color: rgb(255,  
242, 62) }
```

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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