

Converting Colors

$Y_{xy}(100.0000, 0.4557, 0.4438)$

Have a look what the booklet for
Yxy(100.0000, 0.4557, 0.4438)
contains.

Yxy(85.4361, 0.4115, 0.4708)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.4361, 0.4115, 0.4708)

Conversions

Conversions Part 1

Format	Color
Hex	FFF256
RGB	255, 242, 86
RGB Percent	100%, 95%, 34%
CMY	0.0000, 0.0510, 0.6627
CMYK	0.00, 0.05, 0.66, 0.00
HSL	55°, 100%, 67%
HSV	55°, 66%, 100%
XYZ	74.6749, 85.4361, 21.3590
YIQ	228.1030, 57.8240, -45.7600

Conversions

Conversions Part 2

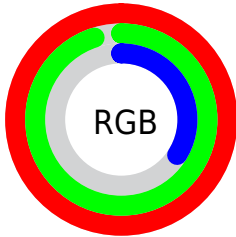
Format	Color
R _Y B	100, 255, 86
Decimal	16773718
CIE Lab	94.07, -13.07, 73.57
CIE LCh	94, 74.721, 100.076
Yxy	85.4361, 0.4115, 0.4708
Android (android.graphics.Color)	4294963798 (0xFFFFF256)
YUV	228.1030, -70.0568, 23.5887
Hunter-Lab	92.4317, -17.5464, 51.0015

Details

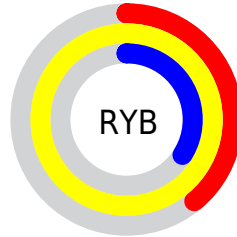
The Yxy color **85.4361, 0.4115, 0.4708** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **18.1226, 0.1866, 0.1284**, and the grayscale version is **78.1546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7632, 0.3782, 0.4373**, and **46.7573, 0.4258, 0.4958** is the 20% darker color. If you saturate the color by 10%, you get **83.9365, 0.4213, 0.4828**, and if you desaturate by 10%, it is **87.0987, 0.3993, 0.4547**.

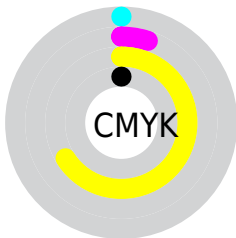
Distribution



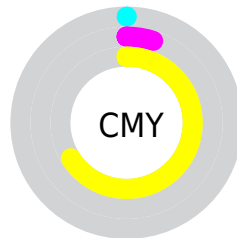
- Red (100%)
- Green (95%)
- Blue (34%)



- 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 85.4361, 0.4115, 0.4708 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 85.4361, 0.4115, 0.4708 by changing the saturation by 10% instead.


 85.4361, 0.4115,
0.4708


 85.4361, 0.4115,
0.4708


513.0700, 0.3724,
0.4102

 64.2018, 0.4182,
0.4826


 140.9823, 0.3996,
0.4513


 46.8141, 0.4253,
0.4959


 176.0630, 0.3945,
0.4432

 32.8887, 0.4324,
0.5109


 216.5279, 0.3899,
0.4361

 22.0412, 0.4387,
0.5270

 262.7615, 0.3857,
0.4297

 13.8872, 0.4456,
0.5477

315.1481, 0.3819,
0.4240

 8.0422, 0.4407,
0.5593

374.0721, 0.3784,

 4.1220, 0.4288,

0.4189

0.5712

439.9179, 0.3753,
0.4143

■ 1.7420, 0.4086,
0.5914

■ 0.4507, 0.1950,
0.8050

■ 85.4361, 0.4115,
0.4708

■ 85.4361, 0.4115,
0.4708

■ 83.9365, 0.4213,
0.4828

■ 87.0987, 0.3993,
0.4547

■ 82.5775, 0.4283,
0.4902


■ 88.9324, 0.3851,
0.4353


■ 81.3407, 0.4326,
0.4933

■ 90.9516, 0.3698,
0.4135

■ 80.8995, 0.4337,
0.4938

■ 93.1676, 0.3538,
0.3903

 95.5905, 0.3377,
0.3666

 98.2299, 0.3221,
0.3432

100.0000, 0.3127,
0.3290

Harmonies

Analogous

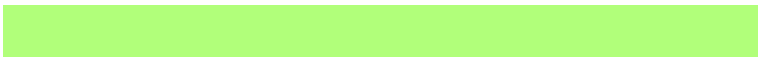
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4361, 0.4664, 0.4195



85.4361, 0.4115, 0.4708



85.4361, 0.3346, 0.4852

Triad

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



85.4361, 0.4115, 0.4708



85.4361, 0.1706, 0.2638



85.4361, 0.3572, 0.2483

Complementary

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



85.4361, 0.4115, 0.4708



18.1226, 0.1866, 0.1284

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.



85.4361, 0.2720, 0.2142



85.4361, 0.4115, 0.4708



85.4361, 0.1749, 0.2171

Square

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



85.4361, 0.4115, 0.4708



85.4361, 0.1975, 0.3445



85.4361, 0.2087, 0.2024



85.4361, 0.4381, 0.2991

Rectangle

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



85.4361, 0.4115, 0.4708



85.4361, 0.2811, 0.4594



85.4361, 0.2087, 0.2024



85.4361, 0.3275, 0.2347

Sweetspot

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



85.4381, 0.4115, 0.4708



94.6626, 0.3437, 0.3754



28.8381, 0.5157, 0.3173



20.1161, 0.3482, 0.3821



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.



85.4381, 0.4115, 0.4708



83.4143, 0.4242, 0.4861



82.4547, 0.3551, 0.5106



20.8375, 0.3271, 0.3507



42.3723, 0.4335, 0.4940



4.1939, 0.4317, 0.4954

Inverse Universe

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



18.1226, 0.1866, 0.1284



11.9012, 0.1658, 0.0922



20.9861, 0.2299, 0.1372



17.6020, 0.2978, 0.3063



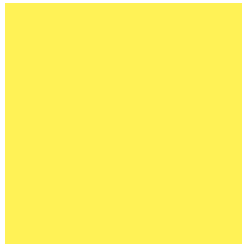
4.1061, 0.1513, 0.0647



0.4738, 0.1542, 0.0752

Previews

White Background



This preview shows how the Yxy color 85.4361, 0.4115, 0.4708 looks on a white background.

Color Contrast Check

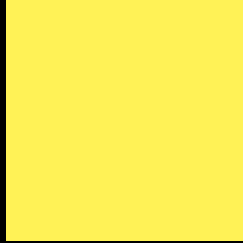
Large Text (above 18pt) WCAG AA × Fail

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 85.4361, 0.4115, 0.4708 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 85.4361, 0.4115, 0.4708

Background



This preview shows how black text looks on a background with the Yxy color 85.4361, 0.4115, 0.4708.



This preview shows how white text looks on a background with the Yxy color 85.4361, 0.4115, 0.4708.

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

85.4361, 0.4115, 0.4708

Protanopia

85.2362, 0.3695, 0.3993

Deuteranopia

85.3798, 0.3420, 0.3531



Tritanopia

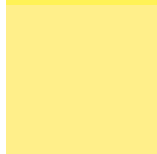
85.3241, 0.3227, 0.3202

Trichromacy



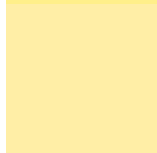
Original Color

85.4361, 0.4115, 0.4708



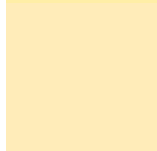
Protanomaly

84.8280, 0.3875, 0.4286



Deuteranomaly

85.1622, 0.3708, 0.4013



Tritanomaly

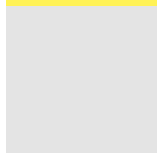
84.7537, 0.3591, 0.3804

Monochromacy



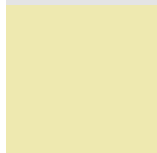
Original Color

85.4361, 0.4115, 0.4708



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.5896, 0.3533, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4361, 0.4115, 0.4708 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 86) }
```

Border

The CSS property to change the border of an element to Yxy 85.4361, 0.4115, 0.4708 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, 86) }
```

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

```
.border{ border-color:rgb(255, 242, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4361, 0.4115, 0.4708 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, 86) }
```

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

```
.background{ background-color: rgb(255,  
242, 86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor