

Converting Colors

Yxy(85.3463, 0.4152, 0.5079)

Have a look what the booklet for
Yxy(85.3463, 0.4152, 0.5079)
contains.

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Color

Yxy(85.4075, 0.4155, 0.5077)

Conversions

Conversions Part 1

Format	Color
Hex	F2F704
RGB	242, 247, 4
RGB Percent	95%, 97%, 2%
CMY	0.0510, 0.0313, 0.9837
CMYK	0.02, 0.00, 0.98, 0.03
HSL	61°, 97%, 49%
HSV	61°, 98%, 97%
XYZ	69.8972, 85.4075, 12.9196
YIQ	217.8030, 75.0230, -76.6330

Conversions

Conversions Part 2

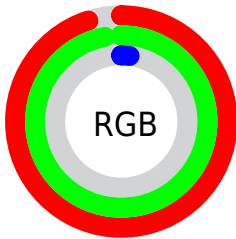
Format	Color
R_{YB}	4, 247, 9
Decimal	15922948
CIE Lab	94.06, -23.08, 91.48
CIE LCh	94, 94.343, 104.159
Yxy	85.4075, 0.4155, 0.5077
Android (android.graphics.Color)	4294113028 (0xFFFF2F704)
YUV	217.8030, -105.4049, 21.2208
Hunter-Lab	92.4162, -26.7232, 56.4027

Details

The Yxy color **85.4075, 0.4155, 0.5077** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **6.8656, 0.1510, 0.0612**, and the grayscale version is **70.6835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **47.0854, 0.4102, 0.5125** is the 20% darker color. If you saturate the color by 10%, you get **85.3871, 0.4157, 0.5082**, and if you desaturate by 10%, it is **85.5810, 0.4138, 0.5039**.

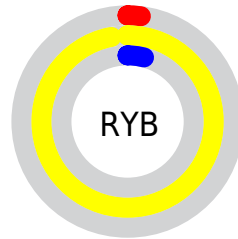
Distribution



Red (95%)

Green (97%)

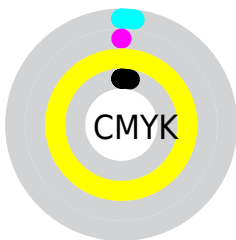
Blue (2%)



Red (2%)

Yellow (97%)

Blue (4%)

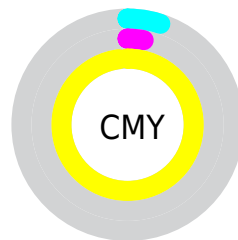


Cyan (2%)

Magenta (0%)

Yellow (98%)

Black (3%)



Cyan (5%)


Magenta (3%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4075, 0.4155, 0.5077 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 85.4075, 0.4155, 0.5077 by changing the saturation by 10% instead.


 85.4075, 0.4155,
0.5077


 85.4075, 0.4155,
0.5077


512.9755, 0.3796,
0.4332

 64.1781, 0.4200,
0.5212


 140.9424, 0.4060,
0.4845


 46.7950, 0.4237,
0.5358

 176.0167, 0.4014,
0.4747


 32.8736, 0.4257,
0.5513


 216.4748, 0.3971,
0.4659

 22.0296, 0.4268,
0.5700

 262.7010, 0.3930,
0.4580

 13.8787, 0.4180,
0.5820

 315.0798, 0.3893,
0.4508

 8.0363, 0.4037,
0.5963


 373.9955, 0.3858,


 4.1182, 0.3820,


0.4444


0.6180


439.8327, 0.3826,
0.4386


 1.7399, 0.3454,
0.6546


 0.4493, 0.0000,
1.0000


 85.4075, 0.4155,
0.5077


 85.4075, 0.4155,
0.5077

 85.3871, 0.4157,
0.5082

 85.5810, 0.4138,
0.5039

 85.8460, 0.4097,
0.4962

 86.2287, 0.4030,
0.4841

 86.7448, 0.3937,
0.4677

87.4075, 0.3822,
0.4476

88.2287, 0.3689,
0.4248

89.2188, 0.3546,
0.4002

90.3874, 0.3397,
0.3748

91.7435, 0.3248,
0.3495

Harmonies

Analogous

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



85.4075, 0.4910, 0.4408



85.4075, 0.4155, 0.5077



85.4075, 0.3202, 0.5270

Triad

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



85.4075, 0.4155, 0.5077



85.4075, 0.1407, 0.2349



85.4075, 0.3824, 0.2380

Complementary

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



85.4075, 0.4155, 0.5077



6.8656, 0.1510, 0.0612

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.



85.4075, 0.2739, 0.1952



85.4075, 0.4155, 0.5077



85.4075, 0.1511, 0.1879

Square

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



85.4075, 0.4155, 0.5077



85.4075, 0.1646, 0.3294



85.4075, 0.1943, 0.1773



85.4075, 0.4814, 0.2984

Rectangle

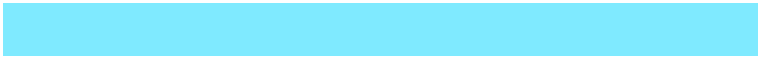
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.4075, 0.4155, 0.5077



85.4075, 0.2567, 0.4880



85.4075, 0.1943, 0.1773



85.4075, 0.3447, 0.2213

Sweetspot

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



85.4115, 0.4155, 0.5077



95.8291, 0.3557, 0.4020



19.9633, 0.6372, 0.3306



20.4104, 0.3619, 0.4126



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.



85.4115, 0.4155, 0.5077



91.7926, 0.4157, 0.5082



70.6409, 0.3341, 0.5721



19.2951, 0.3265, 0.3524



45.1623, 0.4157, 0.5081



3.9748, 0.4162, 0.5077

Inverse Universe

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



6.8656, 0.1510, 0.0612



7.2541, 0.1504, 0.0602



11.5231, 0.2056, 0.0912



15.9431, 0.2982, 0.3045



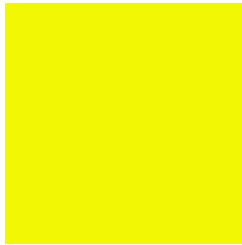
3.5764, 0.1506, 0.0603



0.3200, 0.1522, 0.0612

Previews

White Background



This preview shows how the Yxy color 85.4075, 0.4155, 0.5077 looks on a white background.

Color Contrast Check

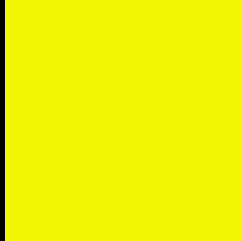
Large Text (above 18pt) WCAG AA × Fail

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 85.4075, 0.4155, 0.5077 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 85.4075, 0.4155, 0.5077

Background



This preview shows how black text looks on a background with the Yxy color 85.4075, 0.4155, 0.5077.

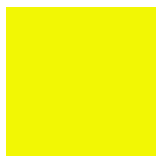


This preview shows how white text looks on a background with the Yxy color 85.4075, 0.4155, 0.5077.

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

85.4075, 0.4155, 0.5077



Protanopia

85.1257, 0.3715, 0.4023



Deuteranopia

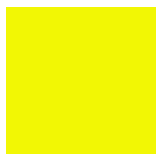
85.2801, 0.3433, 0.3551



Tritanopia

85.0656, 0.3195, 0.3144

Trichromacy



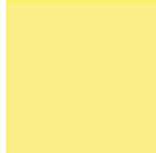
Original Color

85.4075, 0.4155, 0.5077



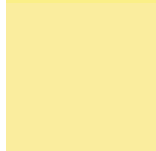
Protanomaly

84.2961, 0.3993, 0.4578



Deuteranomaly

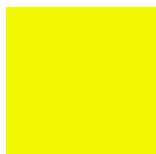
83.8063, 0.3856, 0.4328



Tritanomaly

83.3610, 0.3725, 0.4093

Monochromacy



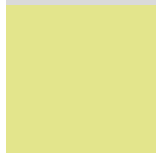
Original Color

85.4075, 0.4155, 0.5077



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

74.2630, 0.3694, 0.4257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4075, 0.4155, 0.5077 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(242, 247, 4)` looks like.

```
.text, #text, p{  
    color:rgb(242, 247, 4)  
}
```

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(242, 247, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 247, 4) }
```

Border

The CSS property to change the border of an element to Yxy 85.4075, 0.4155, 0.5077 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(242, 247, 4) }
```

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

```
.border{ border-color:rgb(242, 247, 4) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(242, 247, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 247, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 247, 4);  
box-shadow:4px 4px 4px 4px rgb(242, 247,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4075, 0.4155, 0.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 247, 4) }
```

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

```
.background{ background-color: rgb(242,  
247, 4) }
```

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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