

Converting Colors

Yxy(88.5353, 0.4017, 0.5170)

Have a look what the booklet for
Yxy(88.5353, 0.4017, 0.5170)
contains.

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Color

Yxy(88.5434, 0.4017, 0.5170)

Conversions

Conversions Part 1

Format	Color
Hex	E7FF0F
RGB	231, 255, 15
RGB Percent	91%, 100%, 6%
CMY	0.0942, 0.0000, 0.9403
CMYK	0.09, 0.00, 0.94, 0.00
HSL	66°, 100%, 53%
HSV	66°, 94%, 100%
XYZ	68.7967, 88.5434, 13.9237
YIQ	220.4640, 62.7360, -79.7280

Conversions

Conversions Part 2

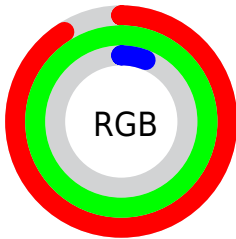
Format	Color
R _Y B	15, 255, 39
Decimal	15204111
CIE Lab	95.39, -31.20, 91.29
CIE LCh	95, 96.472, 108.866
Yxy	88.5434, 0.4017, 0.5170
Android (android.graphics.Color)	4293394191 (0xFFE7FF0F)
YUV	220.4640, -101.2938, 9.2401
Hunter-Lab	94.0975, -34.1655, 57.0950

Details

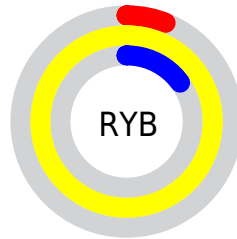
The Yxy color **88.5434, 0.4017, 0.5170** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **8.0041, 0.1560, 0.0655**, and the grayscale version is **72.6139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **48.9342, 0.3945, 0.5250** is the 20% darker color. If you saturate the color by 10%, you get **88.2522, 0.4015, 0.5194**, and if you desaturate by 10%, it is **89.0912, 0.4005, 0.5102**.

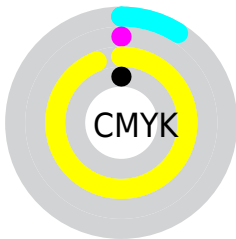
Distribution



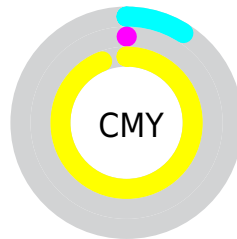
- Red (91%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (15%)



- Cyan (9%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5434, 0.4017, 0.5170 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 88.5434, 0.4017, 0.5170 by changing the saturation by 10% instead.


 88.5434, 0.4017,
0.5170


 88.5434, 0.4017,
0.5170


523.2811, 0.3723,
0.4371


 66.7732, 0.4049,
0.5320


 145.3134, 0.3943,
0.4917


 48.9003, 0.4070,
0.5485


 181.0821, 0.3906,
0.4812


 34.5404, 0.4072,
0.5665


 222.2856, 0.3871,
0.4717

 23.3091, 0.4052,
0.5874

 269.3085, 0.3837,
0.4633

 14.8219, 0.3948,
0.6052

 322.5351, 0.3805,
0.4557

 8.6945, 0.3761,
0.6239


 382.3498, 0.3776,


 4.5424, 0.3481,


0.4489


0.6519


449.1370, 0.3748,
0.4427


 1.9814, 0.3021,
0.6979


 0.5966, 0.0000,
1.0000


 88.5434, 0.4017,
0.5170


 88.5434, 0.4017,
0.5170


 88.2522, 0.4015,
0.5194

 89.0912, 0.4005,
0.5102


 89.7635, 0.3968,
0.4990


 90.5761, 0.3903,
0.4833

 91.5448, 0.3815,
0.4636

 92.6832, 0.3706,
0.4408

 94.0035, 0.3582,
0.4159

 95.5167, 0.3450,
0.3901

 97.2326, 0.3315,
0.3641

 99.1608, 0.3180,
0.3389

Harmonies

Analogous

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



88.5434, 0.4827, 0.4530



88.5434, 0.4017, 0.5170



88.5434, 0.3045, 0.5242

Triad

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



88.5434, 0.4017, 0.5170



88.5434, 0.1389, 0.2236



88.5434, 0.4009, 0.2458

Complementary

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



88.5434, 0.4017, 0.5170



8.0041, 0.1560, 0.0655

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.



88.5434, 0.2893, 0.1994



88.5434, 0.4017, 0.5170



88.5434, 0.1544, 0.1829

Square

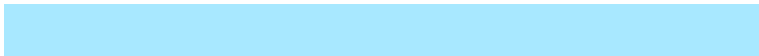
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5434, 0.4017, 0.5170



88.5434, 0.1570, 0.3110



88.5434, 0.2034, 0.1772



88.5434, 0.4942, 0.3085

Rectangle

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



88.5434, 0.4017, 0.5170



88.5434, 0.2419, 0.4744



88.5434, 0.2034, 0.1772



88.5434, 0.3629, 0.2280

Sweetspot

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



88.5400, 0.4017, 0.5170



94.8923, 0.3503, 0.4004



22.7593, 0.6235, 0.3374



20.1732, 0.3560, 0.4116



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.



88.5400, 0.4017, 0.5170



88.2522, 0.4015, 0.5194



74.9433, 0.3262, 0.5762



20.9928, 0.3254, 0.3526



46.1513, 0.4018, 0.5192



4.5192, 0.4039, 0.5175

Inverse Universe

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



8.0041, 0.1560, 0.0655



7.4337, 0.1526, 0.0615



14.9480, 0.2271, 0.1043



17.4648, 0.2994, 0.3045



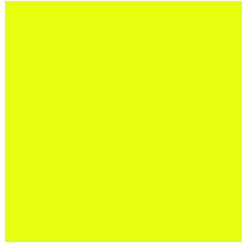
3.9127, 0.1533, 0.0618



0.4085, 0.1598, 0.0654

Previews

White Background



This preview shows how the Yxy color 88.5434, 0.4017, 0.5170 looks on a white background.

Color Contrast Check

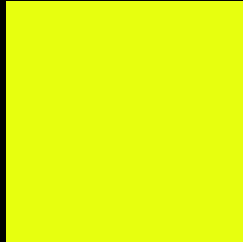
Large Text (above 18pt) WCAG AA × Fail

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 88.5434, 0.4017, 0.5170 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 88.5434, 0.4017, 0.5170

Background



This preview shows how black text looks on a background with the Yxy color 88.5434, 0.4017, 0.5170.

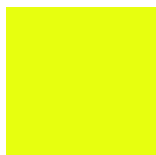


This preview shows how white text looks on a background with the Yxy color 88.5434, 0.4017, 0.5170.

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



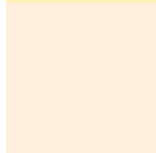
Original Color

88.5434, 0.4017, 0.5170



Protanopia

88.3521, 0.3563, 0.3840



Deuteranopia

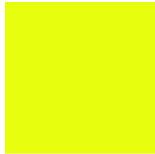
88.1075, 0.3361, 0.3489



Tritanopia

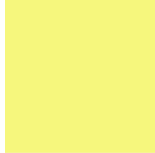
87.9281, 0.3096, 0.3115

Trichromacy



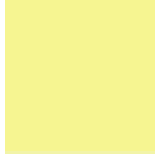
Original Color

88.5434, 0.4017, 0.5170



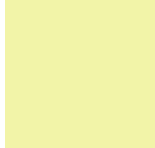
Protanomaly

87.5950, 0.3846, 0.4494



Deuteranomaly

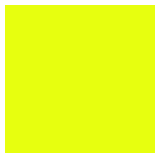
86.9420, 0.3746, 0.4298



Tritanomaly

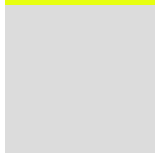
86.4058, 0.3584, 0.4073

Monochromacy



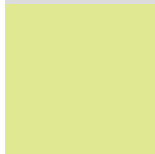
Original Color

88.5434, 0.4017, 0.5170



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

76.2004, 0.3620, 0.4239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5434, 0.4017, 0.5170 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(231, 255, 15)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 15)  
}
```

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(231, 255, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 15) }
```

Border

The CSS property to change the border of an element to Yxy 88.5434, 0.4017, 0.5170 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(231, 255, 15) }
```

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

```
.border{ border-color:rgb(231, 255, 15) }
```

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

Here you see how a box with a 4 pixel rgb(231, 255, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 15);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5434, 0.4017, 0.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 15) }
```

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

```
.background{ background-color: rgb(231,  
255, 15) }
```

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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