

Converting Colors

Yxy(88.7439, 0.4036, 0.5178)

Have a look what the booklet for
Yxy(88.7439, 0.4036, 0.5178)
contains.

Yxy(88.6758, 0.4033, 0.5180)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(88.6758, 0.4033, 0.5180)

Conversions

Conversions Part 1

Format	Color
Hex	E8FF00
RGB	232, 255, 0
RGB Percent	91%, 100%, 0%
CMY	0.0902, 0.0000, 1.0000
CMYK	0.09, 0.00, 1.00, 0.00
HSL	65°, 100%, 50%
HSV	65°, 100%, 100%
XYZ	69.0404, 88.6758, 13.4726
YIQ	219.0530, 68.1470, -84.1810

Conversions

Conversions Part 2

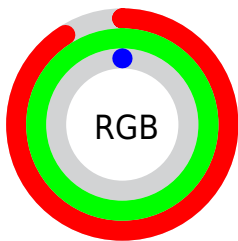
Format	Color
RYB	0, 255, 23
Decimal	15269632
CIELab	95.44, -30.90, 92.48
CIELCh	95, 97.512, 108.478
Yxy	88.6758, 0.4033, 0.5180
Android (android.graphics.Color)	4293459712 (0xFFE8FF00)
YUV	219.0530, -107.9931, 11.3545
Hunter-Lab	94.1678, -33.9240, 57.4349

Details

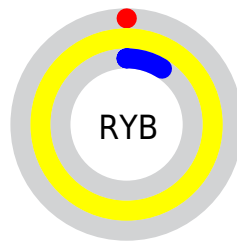
The Yxy color **88.6758, 0.4033, 0.5180** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.4020, 0.1523, 0.0612**, and the grayscale version is **71.6081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **49.0461, 0.3954, 0.5243** is the 20% darker color. If you saturate the color by 10%, you get **88.6774, 0.4033, 0.5180**, and if you desaturate by 10%, it is **89.1370, 0.4031, 0.5135**.

Distribution



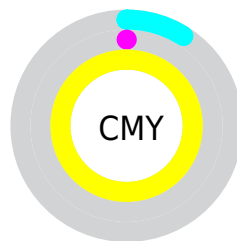
- Red (91%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (9%)



- Cyan (9%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6758, 0.4033, 0.5180 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 88.6758, 0.4033, 0.5180 by changing the saturation by 10% instead.


 88.6758, 0.4033,
0.5180

 88.6758, 0.4033,
0.5180


523.7138, 0.3735,
0.4381

 66.8829, 0.4065,
0.5328


 145.4976, 0.3959,
0.4928

 48.9895, 0.4086,
0.5492


 181.2954, 0.3921,
0.4823


 34.6111, 0.4086,
0.5668


 222.5302, 0.3885,
0.4728

 23.3635, 0.4068,
0.5878

 269.5864, 0.3851,
0.4643

 14.8621, 0.3958,
0.6042

 322.8485, 0.3819,
0.4568

 8.7227, 0.3773,
0.6227


 382.7008, 0.3789,


 4.5607, 0.3496,


0.4499


0.6504

449.5278, 0.3761,
0.4437


 1.9919, 0.3042,
0.6958


 0.6028, 0.0000,
1.0000


 88.6758, 0.4033,
0.5180


 88.6758, 0.4033,
0.5180

 88.6774, 0.4033,
0.5180

 89.1370, 0.4031,
0.5135

 89.6961, 0.4008,
0.5052

 90.3832, 0.3957,
0.4923

 91.2163, 0.3881,
0.4752

■ 92.2100, 0.3782,
0.4543

■ 93.3773, 0.3665,
0.4307

■ 94.7297, 0.3535,
0.4055

■ 96.2780, 0.3399,
0.3795

■ 98.0317, 0.3262,
0.3538

Harmonies

Analogous

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



88.6758, 0.4847, 0.4527



88.6758, 0.4033, 0.5180



88.6758, 0.3054, 0.5269

Triad

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



88.6758, 0.4033, 0.5180



88.6758, 0.1376, 0.2233



88.6758, 0.4002, 0.2443

Complementary

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



88.6758, 0.4033, 0.5180



7.4020, 0.1523, 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.



88.6758, 0.2876, 0.1979



88.6758, 0.4033, 0.5180



88.6758, 0.1528, 0.1820

Square

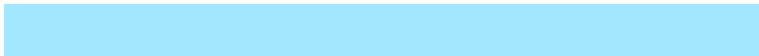
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.6758, 0.4033, 0.5180



88.6758, 0.1562, 0.3121



88.6758, 0.2016, 0.1759



88.6758, 0.4952, 0.3072

Rectangle

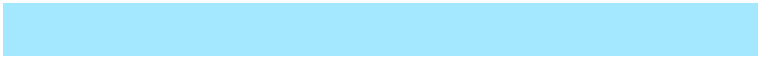
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.6758, 0.4033, 0.5180



88.6758, 0.2422, 0.4775



88.6758, 0.2016, 0.1759



88.6758, 0.3618, 0.2265

Sweetspot

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



88.6774, 0.4033, 0.5180



94.7297, 0.3535, 0.4055



21.8056, 0.6353, 0.3337



20.1490, 0.3591, 0.4162



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.



88.6774, 0.4033, 0.5180



74.5995, 0.3247, 0.5804



21.0026, 0.3255, 0.3526



46.3702, 0.4036, 0.5178



4.5383, 0.4055, 0.5163

Inverse Universe

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



7.4020, 0.1523, 0.0612



13.5861, 0.2177, 0.0973



17.4560, 0.2993, 0.3045



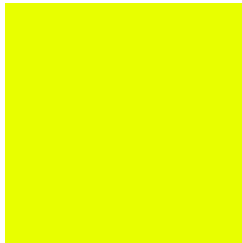
3.8940, 0.1529, 0.0616



0.4044, 0.1589, 0.0649

Previews

White Background



This preview shows how the Yxy color 88.6758, 0.4033, 0.5180 looks on a white background.

Color Contrast Check

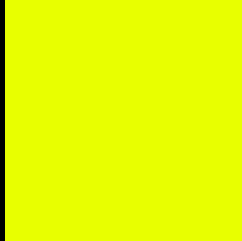
Large Text (above 18pt) WCAG AA × Fail

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 88.6758, 0.4033, 0.5180 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 88.6758, 0.4033, 0.5180

Background



This preview shows how black text looks on a background with the Yxy color 88.6758, 0.4033, 0.5180.

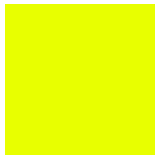


This preview shows how white text looks on a background with the Yxy color 88.6758, 0.4033, 0.5180.

Color Blindness Simulation

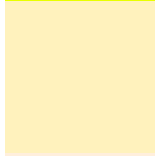
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

88.6758, 0.4033, 0.5180



Protanopia

88.4384, 0.3550, 0.3820



Deuteranopia

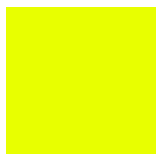
88.1603, 0.3355, 0.3479



Tritanopia

88.1124, 0.3103, 0.3115

Trichromacy



Original Color

88.6758, 0.4033, 0.5180



Protanomaly

87.6518, 0.3879, 0.4532



Deuteranomaly

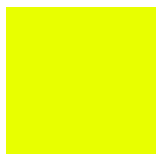
86.9724, 0.3781, 0.4342



Tritanomaly

86.3647, 0.3627, 0.4131

Monochromacy



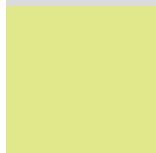
Original Color

88.6758, 0.4033, 0.5180



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

75.4246, 0.3666, 0.4303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6758, 0.4033, 0.5180 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(232, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 0)  
}
```

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(232, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 88.6758, 0.4033, 0.5180 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(232, 255, 0) }
```

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

```
.border{ border-color:rgb(232, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 88.6758, 0.4033, 0.5180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 0) }
```

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

```
.background{ background-color: rgb(232,  
255, 0) }
```

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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