

Converting Colors

Yxy(88.3820, 0.4020, 0.5190)

Have a look what the booklet for
Yxy(88.3820, 0.4020, 0.5190)
contains.

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Color

Yxy(88.3430, 0.4019, 0.5191)

Conversions

Conversions Part 1

Format	Color
Hex	E6FF00
RGB	230, 255, 0
RGB Percent	90%, 100%, 0%
CMY	0.0980, 0.0000, 1.0000
CMYK	0.10, 0.00, 1.00, 0.00
HSL	66°, 100%, 50%
HSV	66°, 100%, 100%
XYZ	68.3973, 88.3430, 13.4446
YIQ	218.4550, 66.9550, -84.6050

Conversions

Conversions Part 2

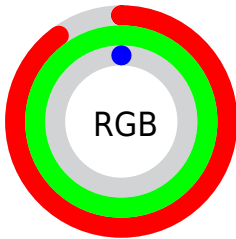
Format	Color
RYB	0, 255, 25
Decimal	15138560
CIELab	95.31, -31.70, 92.31
CIELCh	95, 97.605, 108.954
Yxy	88.3430, 0.4019, 0.5191
Android (android.graphics.Color)	4293328640 (0xFFE6FF00)
YUV	218.4550, -107.6983, 10.1250
Hunter-Lab	93.9910, -34.5895, 57.3127

Details

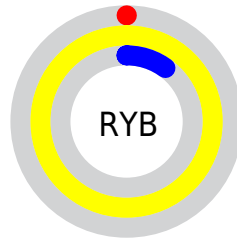
The Yxy color **88.3430, 0.4019, 0.5191** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.4264, 0.1526, 0.0614**, and the grayscale version is **71.1703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **48.8232, 0.3936, 0.5257** is the 20% darker color. If you saturate the color by 10%, you get **88.3460, 0.4019, 0.5191**, and if you desaturate by 10%, it is **88.8347, 0.4019, 0.5145**.

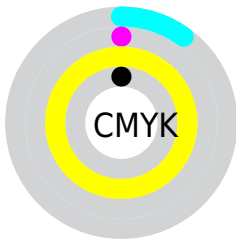
Distribution



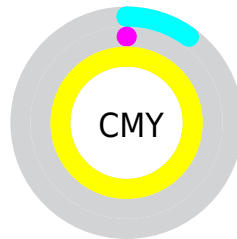
- Red (90%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (10%)



- Cyan (10%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.3430, 0.4019, 0.5191 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 88.3430, 0.4019, 0.5191 by changing the saturation by 10% instead.


 88.3430, 0.4019,
0.5191


 88.3430, 0.4019,
0.5191


522.6258, 0.3727,
0.4385


 66.6072, 0.4049,
0.5341


 145.0346, 0.3947,
0.4937

 48.7655, 0.4069,
0.5507


 180.7591, 0.3910,
0.4830


 34.4335, 0.4067,
0.5687


 221.9154, 0.3875,
0.4734

 23.2268, 0.4046,
0.5900

 268.8877, 0.3842,
0.4649

 14.7611, 0.3931,
0.6069

 322.0605, 0.3810,
0.4573

 8.6519, 0.3740,
0.6260

 381.8182, 0.3780,


 4.5148, 0.3455,


0.4504


448.5452, 0.3753,
0.4441


0.6545

 1.9655, 0.2985,
0.7015


 0.5873, 0.0000,
1.0000


 88.3430, 0.4019,
0.5191


 88.3430, 0.4019,
0.5191


 88.3460, 0.4019,
0.5191

 88.8347, 0.4019,
0.5145

 89.4237, 0.3996,
0.5060


 90.1417, 0.3948,
0.4930

 91.0065, 0.3873,
0.4756

 92.0328, 0.3775,
0.4546

 93.2337, 0.3659,
0.4309

 94.6207, 0.3531,
0.4056

 96.2043, 0.3397,
0.3796

 97.9944, 0.3261,
0.3538

Harmonies

Analogous

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



88.3430, 0.4839, 0.4540



88.3430, 0.4019, 0.5191



88.3430, 0.3038, 0.5268

Triad

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



88.3430, 0.4019, 0.5191



88.3430, 0.1373, 0.2221



88.3430, 0.4022, 0.2451

Complementary

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



88.3430, 0.4019, 0.5191



7.4264, 0.1526, 0.0614

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.



88.3430, 0.2892, 0.1983



88.3430, 0.4019, 0.5191



88.3430, 0.1530, 0.1814

Square

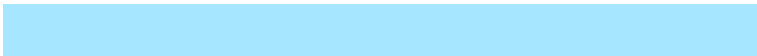
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.3430, 0.4019, 0.5191



88.3430, 0.1553, 0.3103



88.3430, 0.2024, 0.1758



88.3430, 0.4966, 0.3082

Rectangle

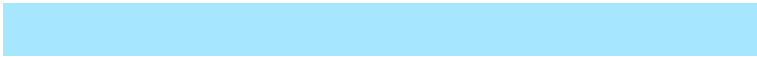
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.3430, 0.4019, 0.5191



88.3430, 0.2407, 0.4762



88.3430, 0.2024, 0.1758



88.3430, 0.3637, 0.2272

Sweetspot

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



88.3460, 0.4019, 0.5191



94.6207, 0.3531, 0.4056



21.8056, 0.6353, 0.3337



20.1225, 0.3586, 0.4164



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.



88.3460, 0.4019, 0.5191



74.5995, 0.3247, 0.5804



20.9950, 0.3254, 0.3526



46.1996, 0.4022, 0.5189



4.5234, 0.4043, 0.5172

Inverse Universe

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



7.4264, 0.1526, 0.0614



13.5861, 0.2177, 0.0973



17.4628, 0.2994, 0.3045



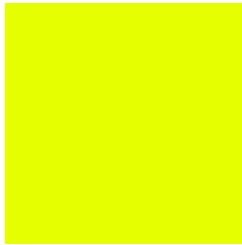
3.9084, 0.1532, 0.0618



0.4076, 0.1596, 0.0653

Previews

White Background



This preview shows how the Yxy color 88.3430, 0.4019, 0.5191 looks on a white background.

Color Contrast Check

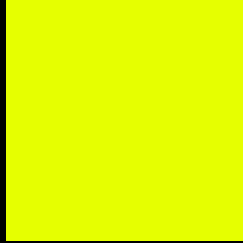
Large Text (above 18pt) WCAG AA × Fail

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 88.3430, 0.4019, 0.5191 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 88.3430, 0.4019, 0.5191

Background



This preview shows how black text looks on a background with the Yxy color 88.3430, 0.4019, 0.5191.

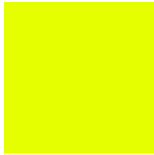


This preview shows how white text looks on a background with the Yxy color 88.3430, 0.4019, 0.5191.

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

88.3430, 0.4019, 0.5191



Protanopia

87.7158, 0.3571, 0.3841



Deuteranopia

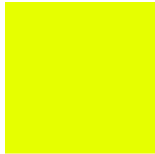
88.1075, 0.3361, 0.3489



Tritanopia

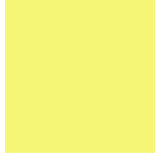
87.7448, 0.3089, 0.3114

Trichromacy



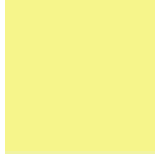
Original Color

88.3430, 0.4019, 0.5191



Protanomaly

86.8124, 0.3886, 0.4544



Deuteranomaly

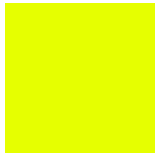
86.7617, 0.3779, 0.4354



Tritanomaly

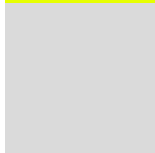
86.0108, 0.3613, 0.4135

Monochromacy



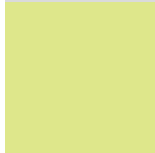
Original Color

88.3430, 0.4019, 0.5191



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

74.5455, 0.3654, 0.4300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.3430, 0.4019, 0.5191 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(230, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 88.3430, 0.4019, 0.5191 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(230, 255, 0) }
```

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

```
.border{ border-color:rgb(230, 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(230, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 88.3430, 0.4019, 0.5191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 0) }
```

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

```
.background{ background-color: rgb(230,  
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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