

Converting Colors

$Yxy(88.7829, 0.4238, 0.5017)$

Have a look what the booklet for
Yxy(88.7829, 0.4238, 0.5017)
contains.

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Color

Yxy(89.0114, 0.4235, 0.5019)

Conversions

Conversions Part 1

Format	Color
Hex	FFF900
RGB	255, 249, 0
RGB Percent	100%, 98%, 0%
CMY	0.0001, 0.0235, 0.9988
CMYK	0.00, 0.02, 1.00, 0.00
HSL	59°, 100%, 50%
HSV	59°, 100%, 100%
XYZ	75.1072, 89.0114, 13.2302
YIQ	222.4080, 83.5050, -76.1670

Conversions

Conversions Part 2

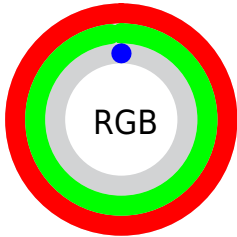
Format	Color
RYB	6, 255, 0
Decimal	16775424
CIELab	95.59, -18.71, 93.33
CIELCh	96, 95.186, 101.338
Yxy	89.0114, 0.4235, 0.5019
Android (android.graphics.Color)	4294965504 (0xFFFFFFFF900)
YUV	222.4080, -109.6471, 28.5832
Hunter-Lab	94.3459, -23.0042, 57.7278

Details

The Yxy color **89.0114, 0.4235, 0.5019** 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 **7.3556, 0.1503, 0.0610**, and the grayscale version is **74.1228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **49.4774, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **89.0104, 0.4235, 0.5019**, and if you desaturate by 10%, it is **89.4573, 0.4212, 0.4992**.

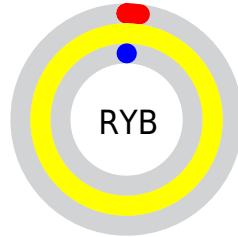
Distribution



Red (100%)

Green (98%)

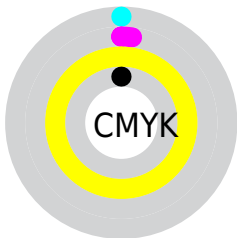
Blue (0%)



Red (2%)

Yellow (100%)

Blue (0%)

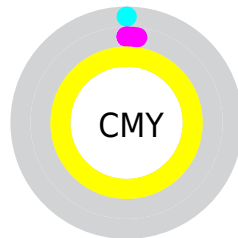


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0114, 0.4235, 0.5019 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 89.0114, 0.4235, 0.5019 by changing the saturation by 10% instead.


 89.0114, 0.4235,
0.5019


 89.0114, 0.4235,
0.5019

524.8097, 0.3844,
0.4317


 67.1610, 0.4287,
0.5142


 145.9644, 0.4129,
0.4804

 49.2155, 0.4333,
0.5274


 181.8358, 0.4079,
0.4712

 34.7904, 0.4365,
0.5411


 223.1497, 0.4032,
0.4629

 23.5015, 0.4388,
0.5570

 270.2904, 0.3988,
0.4554

 14.9642, 0.4329,
0.5671

 323.6424, 0.3948,
0.4486

 8.7943, 0.4220,
0.5780


 383.5900, 0.3910,


 4.6073, 0.4057,


0.4424


0.5943


450.5176, 0.3876,
0.4368


 2.0187, 0.3789,
0.6211


 0.6183, 0.1747,
0.8253


 89.0114, 0.4235,
0.5019


 89.0114, 0.4235,
0.5019


 89.0104, 0.4235,
0.5019

 89.4573, 0.4212,
0.4992


 89.9952, 0.4166,
0.4928


 90.6576, 0.4094,
0.4820

 91.4620, 0.3995,
0.4669

 92.4232, 0.3873,
0.4480

 93.5542, 0.3735,
0.4261

 94.8665, 0.3585,
0.4023

 96.3706, 0.3430,
0.3776

 98.0762, 0.3275,
0.3529

Harmonies

Analogous

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



89.0114, 0.4955, 0.4337



89.0114, 0.4235, 0.5019



89.0114, 0.3295, 0.5278

Triad

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



89.0114, 0.4235, 0.5019



89.0114, 0.1420, 0.2421



89.0114, 0.3715, 0.2334

Complementary

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



89.0114, 0.4235, 0.5019



7.3556, 0.1503, 0.0610

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.



89.0114, 0.2651, 0.1929



89.0114, 0.4235, 0.5019



89.0114, 0.1493, 0.1912

Square

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



89.0114, 0.4235, 0.5019



89.0114, 0.1695, 0.3406



89.0114, 0.1892, 0.1776



89.0114, 0.4732, 0.2925

Rectangle

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



89.0114, 0.4235, 0.5019



89.0114, 0.2656, 0.4952



89.0114, 0.1892, 0.1776



89.0114, 0.3341, 0.2174

Sweetspot

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



89.0156, 0.4235, 0.5019



94.8799, 0.3587, 0.4026



21.2792, 0.6376, 0.3287



20.1851, 0.3651, 0.4128



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.



89.0156, 0.4235, 0.5019



89.0392, 0.4235, 0.5019



76.7424, 0.3400, 0.5682



21.0136, 0.3270, 0.3519



46.5578, 0.4234, 0.5020



4.5554, 0.4229, 0.5024

Inverse Universe

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



7.3556, 0.1503, 0.0610



7.3493, 0.1503, 0.0610



11.1570, 0.1942, 0.0844



17.4456, 0.2978, 0.3050



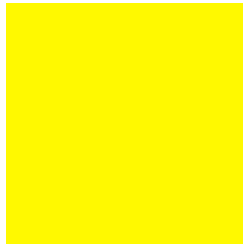
3.8696, 0.1504, 0.0614



0.3996, 0.1513, 0.0647

Previews

White Background



This preview shows how the Yxy color 89.0114, 0.4235, 0.5019 looks on a white background.

Color Contrast Check

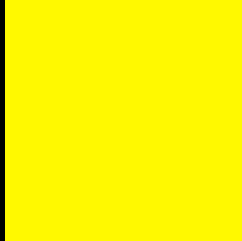
Large Text (above 18pt) WCAG AA × Fail

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 89.0114, 0.4235, 0.5019 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 89.0114, 0.4235, 0.5019

Background



This preview shows how black text looks on a background with the Yxy color 89.0114, 0.4235, 0.5019.



This preview shows how white text looks on a background with the Yxy color 89.0114, 0.4235, 0.5019.

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



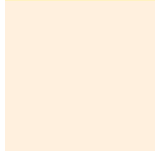
Original Color

89.0114, 0.4235, 0.5019



Protanopia

88.6145, 0.3524, 0.3780



Deuteranopia

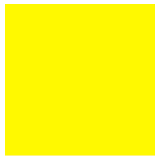
88.8541, 0.3341, 0.3468



Tritanopia

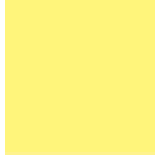
89.0016, 0.3197, 0.3222

Trichromacy



Original Color

89.0114, 0.4235, 0.5019



Protanomaly

87.9949, 0.3930, 0.4464



Deuteranomaly

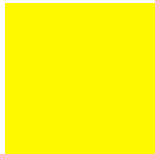
87.2843, 0.3841, 0.4293



Tritanomaly

87.1646, 0.3757, 0.4145

Monochromacy



Original Color

89.0114, 0.4235, 0.5019



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

77.1287, 0.3729, 0.4255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0114, 0.4235, 0.5019 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, 249, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 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(255, 249, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 0) }
```

Border

The CSS property to change the border of an element to Yxy 89.0114, 0.4235, 0.5019 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, 249, 0) }
```

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

```
.border{ border-color:rgb(255, 249, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0114, 0.4235, 0.5019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 0) }
```

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

```
.background{ background-color: rgb(255,  
249, 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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