

Converting Colors

$Yxy(89.6244, 0.3949, 0.4976)$

Have a look what the booklet for
Yxy(89.6244, 0.3949, 0.4976)
contains.

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Color

Yxy(89.6244, 0.3949, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	EBFF46
RGB	235, 255, 70
RGB Percent	92%, 100%, 27%
CMY	0.0785, 0.0000, 0.7251
CMYK	0.08, 0.00, 0.73, 0.00
HSL	66°, 100%, 64%
HSV	66°, 73%, 100%
XYZ	71.1268, 89.6244, 19.3622
YIQ	227.9300, 47.4650, -61.7750

Conversions

Conversions Part 2

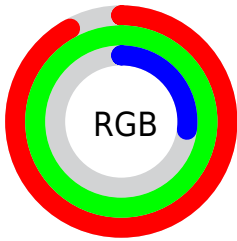
Format	Color
R _Y B	70, 255, 90
Decimal	15466310
CIE Lab	95.84, -28.13, 80.36
CIE LCh	96, 85.142, 109.292
Yxy	89.6244, 0.3949, 0.4976
Android (android.graphics.Color)	4293656390 (0xFFEBFF46)
YUV	227.9300, -77.8595, 6.2004
Hunter-Lab	94.6702, -31.5637, 54.1430

Details

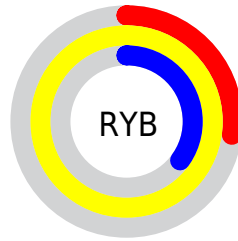
The Yxy color **89.6244, 0.3949, 0.4976** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **13.7941, 0.1823, 0.1027**, and the grayscale version is **78.0904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3917, 0.3850, 0.4484**, and **49.5021, 0.3989, 0.5214** is the 20% darker color. If you saturate the color by 10%, you get **88.9008, 0.3989, 0.5097**, and if you desaturate by 10%, it is **90.4912, 0.3882, 0.4811**.

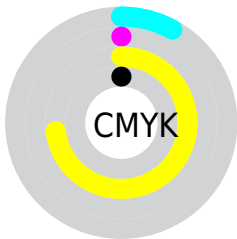
Distribution



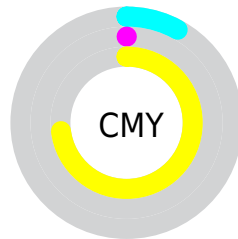
- Red (92%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (35%)



- Cyan (8%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6244, 0.3949, 0.4976 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 89.6244, 0.3949, 0.4976 by changing the saturation by 10% instead.

 89.6244, 0.3949,
0.4976


 89.6244, 0.3949,
0.4976


526.8083, 0.3655,
0.4244


 67.6692, 0.3990,
0.5121


 146.8166, 0.3868,
0.4738

 49.6286, 0.4027,
0.5285


 182.8223, 0.3830,
0.4641

 35.1184, 0.4053,
0.5472


 224.2803, 0.3795,
0.4555

 23.7541, 0.4055,
0.5677

 271.5749, 0.3762,
0.4478

 15.1513, 0.4048,
0.5952

 325.0907, 0.3732,
0.4410

 8.9257, 0.3883,
0.6117


385.2119, 0.3704,


 4.6927, 0.3637,


0.4349

0.6363

452.3230, 0.3678,
0.4293

 2.0681, 0.3233,
0.6767


 0.6466, 0.0000,
1.0000


 89.6244, 0.3949,
0.4976


 89.6244, 0.3949,
0.4976


 88.9008, 0.3989,
0.5097


 90.4912, 0.3882,
0.4811

 88.3028, 0.4003,
0.5173

 91.5178, 0.3792,
0.4607


 87.9163, 0.4001,
0.5206

 92.7171, 0.3682,
0.4374

 94.1010, 0.3558,
0.4122

 95.6803, 0.3427,
0.3862

 97.4651, 0.3292,
0.3602

 99.4645, 0.3160,
0.3351

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



89.6244, 0.4665, 0.4455



89.6244, 0.3949, 0.4976



89.6244, 0.3071, 0.4974

Triad

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



89.6244, 0.3949, 0.4976



89.6244, 0.1550, 0.2354



89.6244, 0.3923, 0.2554

Complementary

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



89.6244, 0.3949, 0.4976



13.7941, 0.1823, 0.1027

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.



89.6244, 0.2941, 0.2122



89.6244, 0.3949, 0.4976



89.6244, 0.1696, 0.1973

Square

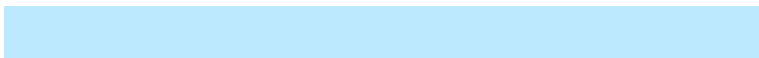
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6244, 0.3949, 0.4976



89.6244, 0.1725, 0.3137



89.6244, 0.2157, 0.1915



89.6244, 0.4735, 0.3137

Rectangle

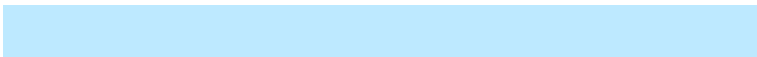
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6244, 0.3949, 0.4976



89.6244, 0.2505, 0.4531



89.6244, 0.2157, 0.1915



89.6244, 0.3592, 0.2389

Sweetspot

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



89.6240, 0.3949, 0.4976



95.7654, 0.3420, 0.3849



28.7821, 0.5488, 0.3442



20.4012, 0.3456, 0.3919



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.



89.6240, 0.3949, 0.4976



88.6178, 0.3999, 0.5137



77.8990, 0.3346, 0.5388



20.9850, 0.3252, 0.3526



45.9783, 0.4004, 0.5203



4.5041, 0.4027, 0.5185

Inverse Universe

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



13.7941, 0.1823, 0.1027



9.1906, 0.1626, 0.0736



21.4435, 0.2497, 0.1362



17.4718, 0.2995, 0.3045



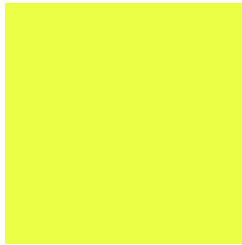
3.9288, 0.1537, 0.0620



0.4118, 0.1606, 0.0658

Previews

White Background



This preview shows how the Yxy color 89.6244, 0.3949, 0.4976 looks on a white background.

Color Contrast Check

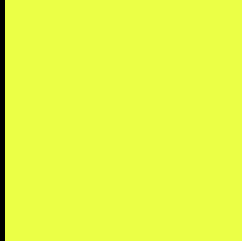
Large Text (above 18pt) WCAG AA × Fail

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 89.6244, 0.3949, 0.4976 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 89.6244, 0.3949, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 89.6244, 0.3949, 0.4976.



This preview shows how white text looks on a background with the Yxy color 89.6244, 0.3949, 0.4976.

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



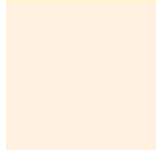
Original Color

89.6244, 0.3949, 0.4976



Protanopia

89.3467, 0.3503, 0.3759



Deuteranopia

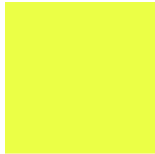
88.9079, 0.3334, 0.3458



Tritanopia

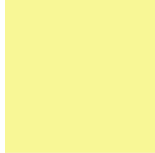
89.4622, 0.3108, 0.3135

Trichromacy



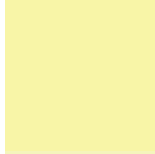
Original Color

89.6244, 0.3949, 0.4976



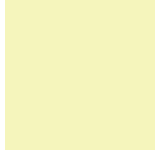
Protanomaly

88.6800, 0.3724, 0.4263



Deuteranomaly

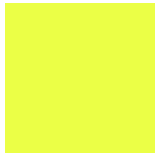
88.0513, 0.3630, 0.4080



Tritanomaly

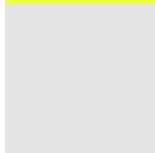
88.3481, 0.3479, 0.3872

Monochromacy



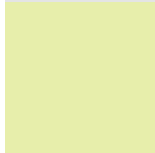
Original Color

89.6244, 0.3949, 0.4976



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

81.0783, 0.3502, 0.4006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6244, 0.3949, 0.4976 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(235, 255, 70)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 70)  
}
```

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(235, 255, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 70) }
```

Border

The CSS property to change the border of an element to Yxy 89.6244, 0.3949, 0.4976 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(235, 255, 70) }
```

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

```
.border{ border-color:rgb(235, 255, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 70);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6244, 0.3949, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 70) }
```

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

```
.background{ background-color: rgb(235,  
255, 70) }
```

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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