

Converting Colors

Yxy(80.7044, 0.3971, 0.4970)

Have a look what the booklet for
Yxy(80.7044, 0.3971, 0.4970)
contains.

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Color

Yxy(80.6516, 0.3969, 0.4972)

Conversions

Conversions Part 1

Format	Color
Hex	E2F341
RGB	226, 243, 65
RGB Percent	89%, 95%, 25%
CMY	0.1135, 0.0471, 0.7450
CMYK	0.07, 0.00, 0.73, 0.05
HSL	66°, 88%, 60%
HSV	66°, 73%, 95%
XYZ	64.3818, 80.6516, 17.1782
YIQ	217.6250, 47.0060, -58.9620

Conversions

Conversions Part 2

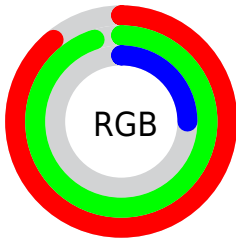
Format	Color
RYB	65, 243, 82
Decimal	14873409
CIELab	91.98, -26.30, 78.10
CIELCh	92, 82.407, 108.612
Yxy	80.6516, 0.3969, 0.4972
Android (android.graphics.Color)	4293063489 (0xFFE2F341)
YUV	217.6250, -75.2441, 7.3449
Hunter-Lab	89.8062, -29.1949, 51.5233

Details

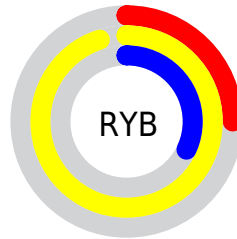
The Yxy color **80.6516, 0.3969, 0.4972** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **12.0466, 0.1802, 0.1008**, and the grayscale version is **70.3526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2607, 0.3874, 0.4525**, and **43.7561, 0.4006, 0.5201** is the 20% darker color. If you saturate the color by 10%, you get **80.0600, 0.4010, 0.5088**, and if you desaturate by 10%, it is **81.3766, 0.3901, 0.4812**.

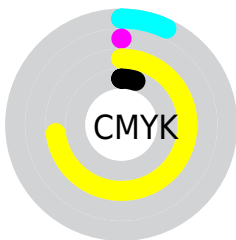
Distribution



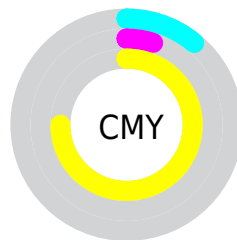
- Red (89%)
- Green (95%)
- Blue (25%)



- Red (25%)
- Yellow (95%)
- Blue (32%)



- Cyan (7%)
- Magenta (0%)
- Yellow (73%)
- Black (5%)





- Cyan (11%)
- Magenta (5%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6516, 0.3969, 0.4972 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 80.6516, 0.3969, 0.4972 by changing the saturation by 10% instead.

 80.6516, 0.3969,
0.4972


 80.6516, 0.3969,
0.4972


497.1261, 0.3659,
0.4229

 60.2547, 0.4013,
0.5120


 134.2815, 0.3882,
0.4729

 43.6240, 0.4053,
0.5290


 168.2832, 0.3842,
0.4630

 30.3750, 0.4080,
0.5481


 207.5887, 0.3805,
0.4542

 20.1234, 0.4080,
0.5692

 252.5823, 0.3771,
0.4465

 12.4848, 0.4051,
0.5949

 303.6485, 0.3739,
0.4396

 7.0747, 0.3873,
0.6127

361.1716, 0.3710,

 3.5089, 0.3598,

0.4334

0.6402

425.5360, 0.3684,
0.4279

■ 1.4028, 0.3059,
0.6941

■ 0.2188, 0.0000,
1.0000

■ 80.6516, 0.3969,
0.4972

■ 80.6516, 0.3969,
0.4972

■ 80.0600, 0.4010,
0.5088

■ 81.3766, 0.3901,
0.4812

■ 79.5741, 0.4025,
0.5158

■ 82.2379, 0.3810,
0.4613


■ 79.2904, 0.4024,
0.5187


■ 83.2510, 0.3699,
0.4385


■ 84.4266, 0.3574,
0.4136

 85.7743, 0.3441,
0.3878

 87.3032, 0.3305,
0.3620

 89.0213, 0.3170,
0.3369

 90.6485, 0.3066,
0.3172

 91.0661, 0.3080,
0.3173

Harmonies

Analogous

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



80.6516, 0.4681, 0.4442



80.6516, 0.3969, 0.4972



80.6516, 0.3091, 0.4987

Triad

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



80.6516, 0.3969, 0.4972



80.6516, 0.1547, 0.2365



80.6516, 0.3903, 0.2540

Complementary

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



80.6516, 0.3969, 0.4972



12.0466, 0.1802, 0.1008

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.



80.6516, 0.2919, 0.2113



80.6516, 0.3969, 0.4972



80.6516, 0.1687, 0.1975

Square

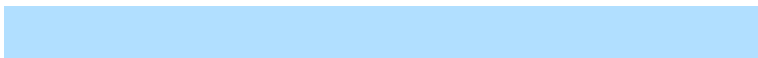
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6516, 0.3969, 0.4972



80.6516, 0.1730, 0.3158



80.6516, 0.2141, 0.1910



80.6516, 0.4726, 0.3122

Rectangle

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



80.6516, 0.3969, 0.4972



80.6516, 0.2521, 0.4554



80.6516, 0.2141, 0.1910



80.6516, 0.3570, 0.2376

Sweetspot

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



80.6553, 0.3969, 0.4972



95.9002, 0.3425, 0.3848



25.1517, 0.5537, 0.3416



20.4335, 0.3462, 0.3918



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.



80.6553, 0.3969, 0.4972



89.0488, 0.4021, 0.5128



69.9824, 0.3363, 0.5388



19.2287, 0.3254, 0.3525



43.5535, 0.4027, 0.5184



3.8508, 0.4049, 0.5167

Inverse Universe

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



12.0466, 0.1802, 0.1008



8.9082, 0.1607, 0.0718



18.6716, 0.2463, 0.1337



16.0021, 0.2994, 0.3046



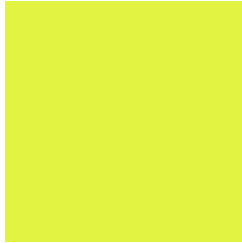
3.6774, 0.1532, 0.0617



0.3482, 0.1601, 0.0656

Previews

White Background



This preview shows how the Yxy color 80.6516, 0.3969, 0.4972 looks on a white background.

Color Contrast Check

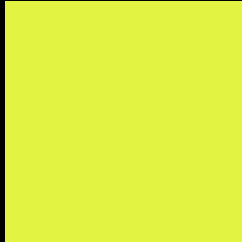
Large Text (above 18pt) WCAG AA × Fail

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 80.6516, 0.3969, 0.4972 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 80.6516, 0.3969, 0.4972

Background



This preview shows how black text looks on a background with the Yxy color 80.6516, 0.3969, 0.4972.

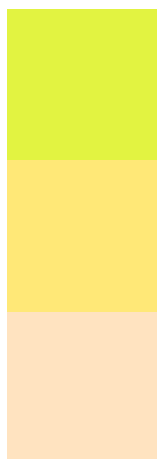


This preview shows how white text looks on a background with the Yxy color 80.6516, 0.3969, 0.4972.

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

80.6516, 0.3969, 0.4972

Protanopia

80.3051, 0.4016, 0.4393

Deuteranopia

80.0039, 0.3565, 0.3646



Tritanopia

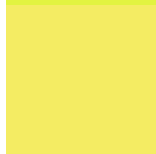
80.5854, 0.3122, 0.3109

Trichromacy



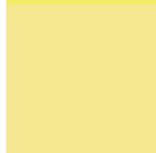
Original Color

80.6516, 0.3969, 0.4972



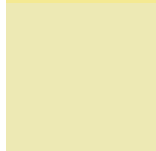
Protanomaly

80.1249, 0.4014, 0.4624



Deuteranomaly

79.5862, 0.3770, 0.4189



Tritanomaly

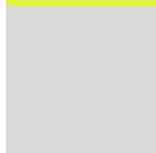
79.5776, 0.3499, 0.3852

Monochromacy



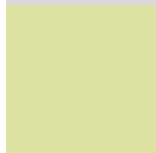
Original Color

80.6516, 0.3969, 0.4972



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.9190, 0.3513, 0.4015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6516, 0.3969, 0.4972 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(226, 243, 65)` looks like.

```
.text, #text, p{  
    color:rgb(226, 243, 65)  
}
```

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(226, 243, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 243, 65) }
```

Border

The CSS property to change the border of an element to Yxy 80.6516, 0.3969, 0.4972 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(226, 243, 65) }
```

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

```
.border{ border-color:rgb(226, 243, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 243, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 243, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 243, 65);  
box-shadow:4px 4px 4px 4px rgb(226, 243,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6516, 0.3969, 0.4972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 243, 65) }
```

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

```
.background{ background-color: rgb(226,  
243, 65) }
```

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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