

Converting Colors

$Y_{xy}(79.6422, 0.4259, 0.4767)$

Have a look what the booklet for
Yxy(79.6422, 0.4259, 0.4767)
contains.

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Color

Yxy(79.8967, 0.4254, 0.4769)

Conversions

Conversions Part 1

Format	Color
Hex	FFE93F
RGB	255, 233, 63
RGB Percent	100%, 91%, 25%
CMY	0.0001, 0.0862, 0.7529
CMYK	0.00, 0.09, 0.75, 0.00
HSL	53°, 100%, 62%
HSV	53°, 75%, 100%
XYZ	71.2687, 79.8967, 16.3680
YIQ	220.1980, 67.6820, -48.2060

Conversions

Conversions Part 2

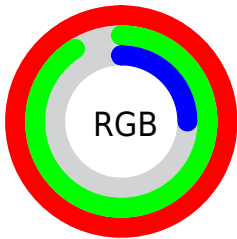
Format	Color
R _Y B	88, 255, 63
Decimal	16771391
CIE Lab	91.64, -9.71, 79.24
CIE LCh	92, 79.834, 96.989
Yxy	79.8967, 0.4254, 0.4769
Android (android.graphics.Color)	4294961471 (0xFFFFE93F)
YUV	220.1980, -77.4986, 30.5214
Hunter-Lab	89.3850, -14.1014, 51.7124

Details

The Yxy color **79.8967, 0.4254, 0.4769** 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 **14.7664, 0.1738, 0.1099**, and the grayscale version is **72.2330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2101, 0.3884, 0.4541**, and **43.3101, 0.4346, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **78.0406, 0.4338, 0.4844**, and if you desaturate by 10%, it is **81.9195, 0.4142, 0.4649**.

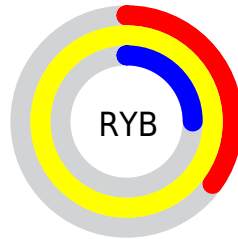
Distribution



Red (100%)

Green (91%)

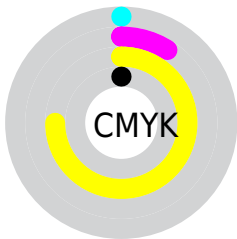
Blue (25%)



Red (35%)

Yellow (100%)

Blue (25%)

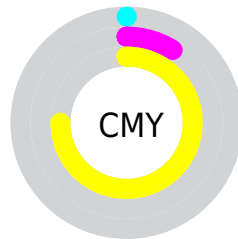


Cyan (0%)

Magenta (9%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8967, 0.4254, 0.4769 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 79.8967, 0.4254, 0.4769 by changing the saturation by 10% instead.


 79.8967, 0.4254,
0.4769

 79.8967, 0.4254,
0.4769


494.5846, 0.3810,
0.4149


 59.6334, 0.4328,
0.4884


 133.2205, 0.4121,
0.4574

 43.1232, 0.4404,
0.5010

 167.0497, 0.4063,
0.4492


 29.9818, 0.4476,
0.5144


 206.1697, 0.4010,
0.4418

 19.8248, 0.4535,
0.5282

 250.9648, 0.3962,
0.4353

 12.2677, 0.4575,
0.5425

 301.8195, 0.3919,
0.4294

 6.9263, 0.4511,
0.5489

359.1181, 0.3879,

 3.4160, 0.4413,

0.4240

0.5587

423.2450, 0.3843,
0.4192

■ 1.3526, 0.4241,
0.5759

■ 0.1814, 0.0000,
1.0000

■ 79.8967, 0.4254,
0.4769

■ 79.8967, 0.4254,
0.4769

■ 78.0406, 0.4338,
0.4844

■ 81.9195, 0.4142,
0.4649


■ 76.3198, 0.4395,
0.4874


■ 84.1139, 0.4007,
0.4488


■ 75.5438, 0.4414,
0.4877

■ 86.4977, 0.3855,
0.4296

■ 89.0831, 0.3693,
0.4083

 91.8814, 0.3527,
0.3857

 94.9029, 0.3364,
0.3629

 98.1570, 0.3207,
0.3405

99.9947, 0.3127,
0.3290

Harmonies

Analogous

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



79.8967, 0.4824, 0.4175



79.8967, 0.4254, 0.4769



79.8967, 0.3436, 0.5018

Triad

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



79.8967, 0.4254, 0.4769



79.8967, 0.1613, 0.2644



79.8967, 0.3507, 0.2374

Complementary

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



79.8967, 0.4254, 0.4769



14.7664, 0.1738, 0.1099

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.



79.8967, 0.2597, 0.2033



79.8967, 0.4254, 0.4769



79.8967, 0.1630, 0.2113

Square

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



79.8967, 0.4254, 0.4769



79.8967, 0.1928, 0.3558



79.8967, 0.1954, 0.1932



79.8967, 0.4419, 0.2897

Rectangle

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



79.8967, 0.4254, 0.4769



79.8967, 0.2857, 0.4798



79.8967, 0.1954, 0.1932



79.8967, 0.3185, 0.2236

Sweetspot

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



79.9005, 0.4254, 0.4769



92.5759, 0.3489, 0.3805



25.4728, 0.5488, 0.3130



19.5893, 0.3549, 0.3887



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.



79.9005, 0.4254, 0.4769



77.2331, 0.4368, 0.4863



81.7316, 0.3598, 0.5271



20.7149, 0.3272, 0.3499



39.6247, 0.4410, 0.4880



3.9546, 0.4382, 0.4903

Inverse Universe

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



14.7664, 0.1738, 0.1099



9.8667, 0.1574, 0.0789



16.0581, 0.2114, 0.1129



17.7121, 0.2979, 0.3073



4.3416, 0.1522, 0.0680



0.5256, 0.1562, 0.0823

Previews

White Background



This preview shows how the Yxy color 79.8967, 0.4254, 0.4769 looks on a white background.

Color Contrast Check

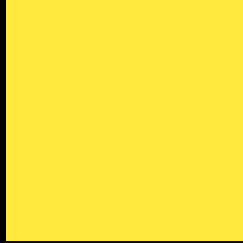
Large Text (above 18pt) WCAG AA × Fail

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 79.8967, 0.4254, 0.4769 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 79.8967, 0.4254, 0.4769

Background



This preview shows how black text looks on a background with the Yxy color 79.8967, 0.4254, 0.4769.



This preview shows how white text looks on a background with the Yxy color 79.8967, 0.4254, 0.4769.

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

79.8967, 0.4254, 0.4769

Protanopia

79.6041, 0.4054, 0.4433

Deuteranopia

79.9159, 0.3579, 0.3667



Tritanopia

79.9185, 0.3288, 0.3191

Trichromacy



Original Color

79.8967, 0.4254, 0.4769

Protanomaly

79.7994, 0.4138, 0.4576

Deuteranomaly

79.3122, 0.3882, 0.4144

Tritanomaly

79.1384, 0.3710, 0.3861

Monochromacy



Original Color

79.8967, 0.4254, 0.4769

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.8184, 0.3604, 0.3962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8967, 0.4254, 0.4769 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, 233, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 63)  
}
```

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, 233, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 63) }
```

Border

The CSS property to change the border of an element to Yxy 79.8967, 0.4254, 0.4769 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, 233, 63) }
```

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

```
.border{ border-color:rgb(255, 233, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8967, 0.4254, 0.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 63) }
```

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

```
.background{ background-color: rgb(255,  
233, 63) }
```

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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