

Converting Colors

$Yxy(80.4621, 0.4170, 0.4650)$

Have a look what the booklet for
Yxy(80.4621, 0.4170, 0.4650)
contains.

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Color

Yxy(80.1937, 0.4175, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	FFE955
RGB	255, 233, 85
RGB Percent	100%, 91%, 33%
CMY	0.0000, 0.0862, 0.6665
CMYK	0.00, 0.09, 0.67, 0.00
HSL	52°, 100%, 67%
HSV	52°, 67%, 100%
XYZ	72.0174, 80.1937, 20.2856
YIQ	222.7060, 60.6200, -41.3640

Conversions

Conversions Part 2

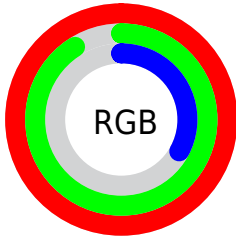
Format	Color
R _Y B	110, 255, 85
Decimal	16771413
CIE Lab	91.77, -8.70, 71.59
CIE LCh	92, 72.112, 96.932
Yxy	80.1937, 0.4175, 0.4649
Android (android.graphics.Color)	4294961493 (0xFFFFE955)
YUV	222.7060, -67.8891, 28.3218
Hunter-Lab	89.5509, -13.1634, 49.2549

Details

The Yxy color **80.1937, 0.4175, 0.4649** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **19.6733, 0.1883, 0.1369**, and the grayscale version is **74.0356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **43.4866, 0.4332, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **78.0123, 0.4288, 0.4762**, and if you desaturate by 10%, it is **82.5636, 0.4038, 0.4495**.

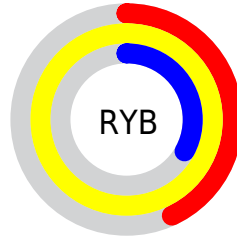
Distribution



Red (100%)

Green (91%)

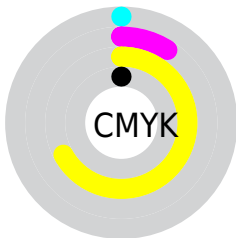
Blue (33%)



Red (43%)

Yellow (100%)

Blue (33%)

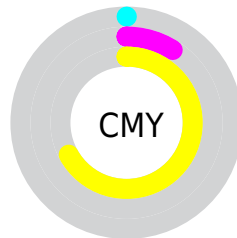


Cyan (0%)

Magenta (9%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1937, 0.4175, 0.4649 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 80.1937, 0.4175, 0.4649 by changing the saturation by 10% instead.


 80.1937, 0.4175,
0.4649

 80.1937, 0.4175,
0.4649


495.5854, 0.3749,
0.4067


 59.8778, 0.4251,
0.4762


 133.6380, 0.4043,
0.4462


 43.3201, 0.4333,
0.4888


 167.5352, 0.3987,
0.4385

 30.1364, 0.4417,
0.5029


 206.7283, 0.3937,
0.4316

 19.9421, 0.4494,
0.5178

 251.6016, 0.3891,
0.4255

 12.3530, 0.4601,
0.5386

302.5396, 0.3850,
0.4201

 6.9845, 0.4550,
0.5450

359.9266, 0.3813,

 3.4524, 0.4463,

0.4152

0.5537

424.1471, 0.3779,
0.4107

■ 1.3723, 0.4311,
0.5689

■ 0.1961, 0.0000,
1.0000

■ 80.1937, 0.4175,
0.4649

■ 80.1937, 0.4175,
0.4649

■ 78.0123, 0.4288,
0.4762

■ 82.5636, 0.4038,
0.4495

■ 75.9912, 0.4374,
0.4828

■ 85.1248, 0.3884,
0.4309

■ 74.1134, 0.4431,
0.4850

■ 87.8937, 0.3720,
0.4100

■ 73.5054, 0.4446,
0.4852

■ 90.8817, 0.3552,
0.3879

 94.0993, 0.3387,
0.3654

 97.5562, 0.3228,
0.3433

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



80.1937, 0.4681, 0.4125



80.1937, 0.4175, 0.4649



80.1937, 0.3430, 0.4841

Triad

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



80.1937, 0.4175, 0.4649



80.1937, 0.1735, 0.2717



80.1937, 0.3474, 0.2449

Complementary

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



80.1937, 0.4175, 0.4649



19.6733, 0.1883, 0.1369

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.



80.1937, 0.2648, 0.2132



80.1937, 0.4175, 0.4649



80.1937, 0.1746, 0.2218

Square

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



80.1937, 0.4175, 0.4649



80.1937, 0.2037, 0.3541



80.1937, 0.2051, 0.2041



80.1937, 0.4292, 0.2938

Rectangle

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



80.1937, 0.4175, 0.4649



80.1937, 0.2898, 0.4632



80.1937, 0.2051, 0.2041



80.1937, 0.3183, 0.2321

Sweetspot

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



80.1975, 0.4175, 0.4649



93.0028, 0.3442, 0.3729



28.8384, 0.5062, 0.3094



19.7125, 0.3488, 0.3793



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.



80.1975, 0.4175, 0.4649



77.3242, 0.4320, 0.4789



83.4653, 0.3608, 0.5078



20.6662, 0.3272, 0.3495



38.5682, 0.4441, 0.4856



3.8622, 0.4409, 0.4881

Inverse Universe

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



19.6733, 0.1883, 0.1369



13.2857, 0.1682, 0.1011



19.9593, 0.2226, 0.1330



17.7563, 0.2979, 0.3076



4.4567, 0.1527, 0.0696



0.5463, 0.1570, 0.0851

Previews

White Background



This preview shows how the Yxy color 80.1937, 0.4175, 0.4649 looks on a white background.

Color Contrast Check

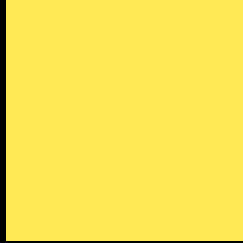
Large Text (above 18pt) WCAG AA × Fail

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 80.1937, 0.4175, 0.4649 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 80.1937, 0.4175, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 80.1937, 0.4175, 0.4649.



This preview shows how white text looks on a background with the Yxy color 80.1937, 0.4175, 0.4649.

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

80.1937, 0.4175, 0.4649

Protanopia

80.2812, 0.4022, 0.4401

Deuteranopia

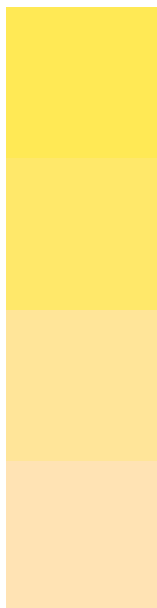
80.0039, 0.3565, 0.3646



Tritanopia

79.9759, 0.3281, 0.3181

Trichromacy



Original Color

80.1937, 0.4175, 0.4649

Protanomaly

80.0138, 0.4085, 0.4496

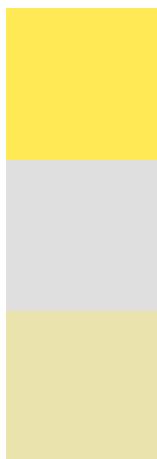
Deuteranomaly

79.5985, 0.3824, 0.4058

Tritanomaly

79.4935, 0.3648, 0.3769

Monochromacy



Original Color

80.1937, 0.4175, 0.4649

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

75.6175, 0.3546, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1937, 0.4175, 0.4649 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 85) }
```

Border

The CSS property to change the border of an element to Yxy 80.1937, 0.4175, 0.4649 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, 85) }
```

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

```
.border{ border-color:rgb(255, 233, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1937, 0.4175, 0.4649 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, 85) }
```

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

```
.background{ background-color: rgb(255,  
233, 85) }
```

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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