

Converting Colors

Yxy(80.5214, 0.4122, 0.4572)

Have a look what the booklet for
Yxy(80.5214, 0.4122, 0.4572)
contains.

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Color

Yxy(80.4009, 0.4123, 0.4570)

Conversions

Conversions Part 1

Format	Color
Hex	FFE961
RGB	255, 233, 97
RGB Percent	100%, 91%, 38%
CMY	0.0000, 0.0863, 0.6198
CMYK	0.00, 0.09, 0.62, 0.00
HSL	52°, 100%, 69%
HSV	52°, 62%, 100%
XYZ	72.5367, 80.4009, 22.9943
YIQ	224.0740, 56.7680, -37.6320

Conversions

Conversions Part 2

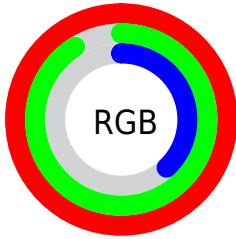
Format	Color
R _Y B	123, 255, 97
Decimal	16771425
CIE Lab	91.86, -8.01, 66.87
CIE LCh	92, 67.350, 96.830
Yxy	80.4009, 0.4123, 0.4570
Android (android.graphics.Color)	4294961505 (0xFFFFE961)
YUV	224.0740, -62.6475, 27.1221
Hunter-Lab	89.6665, -12.5169, 47.5621

Details

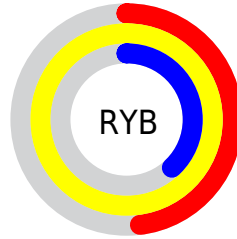
The Yxy color **80.4009, 0.4123, 0.4570** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.9419, 0.1971, 0.1530**, and the grayscale version is **75.0217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0470, 0.3734, 0.4293**, and **43.5894, 0.4278, 0.4807** is the 20% darker color. If you saturate the color by 10%, you get **78.0129, 0.4251, 0.4702**, and if you desaturate by 10%, it is **82.9874, 0.3974, 0.4401**.

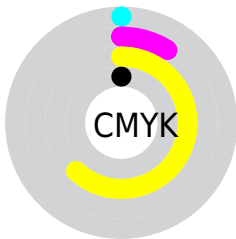
Distribution



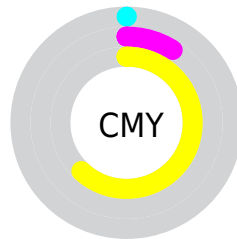
- Red (100%)
- Green (91%)
- Blue (38%)



- Red (48%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (9%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4009, 0.4123, 0.4570 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 80.4009, 0.4123, 0.4570 by changing the saturation by 10% instead.


 80.4009, 0.4123,
0.4570

 80.4009, 0.4123,
0.4570


496.2829, 0.3711,
0.4016


 60.0483, 0.4199,
0.4680


 133.9292, 0.3993,
0.4390

 43.4576, 0.4283,
0.4805


 167.8738, 0.3939,
0.4316

 30.2443, 0.4373,
0.4946


 207.1177, 0.3890,
0.4251

 20.0241, 0.4461,
0.5102

 252.0455, 0.3847,
0.4194

 12.4126, 0.4556,
0.5286

303.0415, 0.3808,
0.4142

 7.0253, 0.4577,
0.5423

360.4902, 0.3772,

 3.4779, 0.4497,

0.4096

424.7758, 0.3740,
0.4054

0.5503

■ 1.3860, 0.4359,
0.5641

■ 0.2064, 0.0031,
0.9969

■ 80.4009, 0.4123,
0.4570

■ 80.4009, 0.4123,
0.4570

■ 78.0129, 0.4251,
0.4702

■ 82.9874, 0.3974,
0.4401

■ 75.7999, 0.4353,
0.4789

■ 85.7780, 0.3812,
0.4205

■ 73.7460, 0.4426,
0.4830

■ 88.7873, 0.3644,
0.3991

■ 72.1908, 0.4467,
0.4835

■ 92.0262, 0.3475,
0.3769

95.5050, 0.3312,
0.3547

99.2329, 0.3157,
0.3331

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.



80.4009, 0.4590, 0.4089



80.4009, 0.4123, 0.4570



80.4009, 0.3424, 0.4731

Triad

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



80.4009, 0.4123, 0.4570



80.4009, 0.1814, 0.2763



80.4009, 0.3452, 0.2496

Complementary

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



80.4009, 0.4123, 0.4570



22.9419, 0.1971, 0.1530

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.



80.4009, 0.2678, 0.2194



80.4009, 0.4123, 0.4570



80.4009, 0.1822, 0.2285

Square

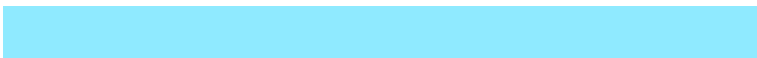
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4009, 0.4123, 0.4570



80.4009, 0.2106, 0.3531



80.4009, 0.2112, 0.2111



80.4009, 0.4213, 0.2962

Rectangle

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



80.4009, 0.4123, 0.4570



80.4009, 0.2923, 0.4532



80.4009, 0.2112, 0.2111



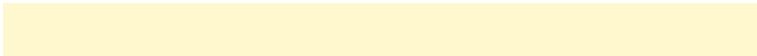
80.4009, 0.3181, 0.2374

Sweetspot

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



80.4036, 0.4123, 0.4570



93.0362, 0.3426, 0.3702



31.1743, 0.4820, 0.3070



19.7057, 0.3473, 0.3766



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.



80.4036, 0.4123, 0.4570



77.5513, 0.4274, 0.4723



84.6185, 0.3613, 0.4959



20.6342, 0.3273, 0.3493



37.8873, 0.4462, 0.4839



3.8024, 0.4427, 0.4867

Inverse Universe

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



22.9419, 0.1971, 0.1530



16.1405, 0.1769, 0.1180



22.4639, 0.2281, 0.1451



17.7853, 0.2979, 0.3079



4.5390, 0.1530, 0.0708



0.5599, 0.1575, 0.0869

Previews

White Background



This preview shows how the Yxy color 80.4009, 0.4123, 0.4570 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 80.4009, 0.4123, 0.4570 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 80.4009, 0.4123, 0.4570

Background



This preview shows how black text looks on a background with the Yxy color 80.4009, 0.4123, 0.4570.



This preview shows how white text looks on a background with the Yxy color 80.4009, 0.4123, 0.4570.

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

80.4009, 0.4123, 0.4570

Protanopia

80.3784, 0.4000, 0.4368

Deuteranopia

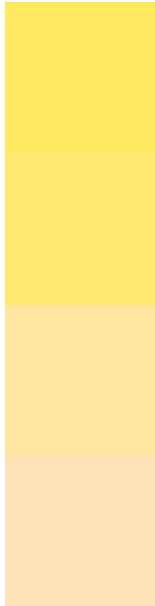
80.0932, 0.3551, 0.3626



Tritanopia

80.5118, 0.3280, 0.3191

Trichromacy



Original Color

80.4009, 0.4123, 0.4570

Protanomaly

80.1655, 0.4049, 0.4442

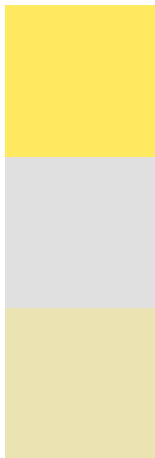
Deuteranomaly

79.8018, 0.3785, 0.3999

Tritanomaly

79.6589, 0.3621, 0.3728

Monochromacy



Original Color

80.4009, 0.4123, 0.4570

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.8147, 0.3512, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4009, 0.4123, 0.4570 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 97) }
```

Border

The CSS property to change the border of an element to Yxy 80.4009, 0.4123, 0.4570 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, 97) }
```

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

```
.border{ border-color:rgb(255, 233, 97) }
```

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, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4009, 0.4123, 0.4570 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, 97) }
```

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

```
.background{ background-color: rgb(255,  
233, 97) }
```

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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