

Converting Colors

$Yxy(80.8448, 0.4095, 0.4539)$

Have a look what the booklet for
Yxy(80.8448, 0.4095, 0.4539)
contains.

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Color

Yxy(81.0649, 0.4093, 0.4542)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA66
RGB	255, 234, 102
RGB Percent	100%, 92%, 40%
CMY	0.0001, 0.0823, 0.6001
CMYK	0.00, 0.08, 0.60, 0.00
HSL	52°, 100%, 70%
HSV	52°, 60%, 100%
XYZ	73.0512, 81.0649, 24.3623
YIQ	225.2310, 54.8880, -36.6000

Conversions

Conversions Part 2

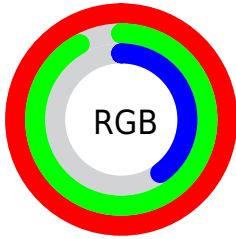
Format	Color
R_{YB}	126, 255, 102
Decimal	16771686
CIE _{Lab}	92.16, -8.21, 65.07
CIE _{LCh}	92, 65.582, 97.190
Yxy	81.0649, 0.4093, 0.4542
Android (android.graphics.Color)	4294961766 (0xFFFFEA66)
YUV	225.2310, -60.7529, 26.1074
Hunter-Lab	90.0360, -12.7362, 46.9823

Details

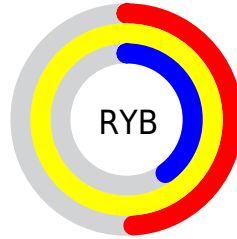
The Yxy color **81.0649, 0.4093, 0.4542** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.1909, 0.2007, 0.1587**, and the grayscale version is **75.8845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **44.0318, 0.4248, 0.4783** is the 20% darker color. If you saturate the color by 10%, you get **78.6697, 0.4225, 0.4682**, and if you desaturate by 10%, it is **83.6624, 0.3942, 0.4367**.

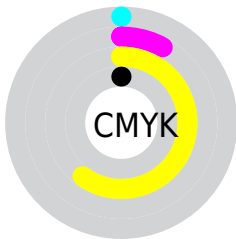
Distribution



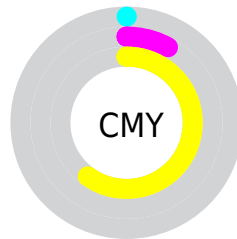
- Red (100%)
- Green (92%)
- Blue (40%)



- Red (49%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (8%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0649, 0.4093, 0.4542 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 81.0649, 0.4093, 0.4542 by changing the saturation by 10% instead.


 81.0649, 0.4093,
0.4542

 81.0649, 0.4093,
0.4542

498.5144, 0.3692,
0.3998


 60.5951, 0.4168,
0.4651

 134.8619, 0.3966,
0.4365


 43.8984, 0.4251,
0.4776


 168.9578, 0.3913,
0.4292

 30.5907, 0.4341,
0.4918


 208.3646, 0.3866,
0.4228

 20.2874, 0.4432,
0.5077

 253.4665, 0.3823,
0.4172

 12.6041, 0.4521,
0.5256

304.6481, 0.3785,
0.4121

 7.1565, 0.4571,
0.5429

362.2937, 0.3751,

 3.5602, 0.4491,

0.4076

0.5509

426.7877, 0.3720,
0.4035

■ 1.4307, 0.4352,
0.5648

■ 0.2392, 0.1013,
0.8987

■ 81.0649, 0.4093,
0.4542

■ 81.0649, 0.4093,
0.4542

■ 78.6697, 0.4225,
0.4682

■ 83.6624, 0.3942,
0.4367

■ 76.4503, 0.4332,
0.4778

■ 86.4639, 0.3778,
0.4165

■ 74.3928, 0.4410,
0.4829

■ 89.4850, 0.3610,
0.3949

■ 72.4682, 0.4463,
0.4839

■ 92.7364, 0.3442,
0.3726

 96.2282, 0.3280,
0.3504

99.9695, 0.3127,
0.3290

99.9936, 0.3127,
0.3290

Harmonies

Analogous

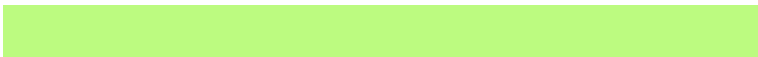
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0649, 0.4548, 0.4080



81.0649, 0.4093, 0.4542



81.0649, 0.3411, 0.4686

Triad

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



81.0649, 0.4093, 0.4542



81.0649, 0.1845, 0.2773



81.0649, 0.3453, 0.2520

Complementary

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



81.0649, 0.4093, 0.4542



24.1909, 0.2007, 0.1587

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.



81.0649, 0.2699, 0.2223



81.0649, 0.4093, 0.4542



81.0649, 0.1855, 0.2309

Square

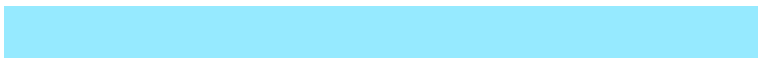
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0649, 0.4093, 0.4542



81.0649, 0.2129, 0.3516



81.0649, 0.2143, 0.2139



81.0649, 0.4189, 0.2978

Rectangle

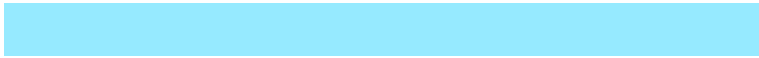
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0649, 0.4093, 0.4542



81.0649, 0.2923, 0.4486



81.0649, 0.2143, 0.2139



81.0649, 0.3190, 0.2400

Sweetspot

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



81.0687, 0.4093, 0.4542



93.4437, 0.3409, 0.3681



32.2323, 0.4736, 0.3073



19.7900, 0.3457, 0.3746



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.



81.0687, 0.4093, 0.4542



78.2357, 0.4248, 0.4705



84.9336, 0.3605, 0.4911



20.6415, 0.3273, 0.3493



38.0415, 0.4457, 0.4843



3.8160, 0.4423, 0.4870

Inverse Universe

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



24.1909, 0.2007, 0.1587



17.0394, 0.1798, 0.1230



23.7385, 0.2314, 0.1508



17.7787, 0.2979, 0.3078



4.5197, 0.1529, 0.0705



0.5568, 0.1574, 0.0865

Previews

White Background



This preview shows how the Yxy color 81.0649, 0.4093, 0.4542 looks on a white background.

Color Contrast Check

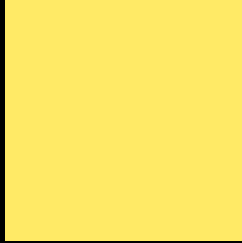
Large Text (above 18pt) WCAG AA × Fail

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 81.0649, 0.4093, 0.4542 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 81.0649, 0.4093, 0.4542

Background



This preview shows how black text looks on a background with the Yxy color 81.0649, 0.4093, 0.4542.



This preview shows how white text looks on a background with the Yxy color 81.0649, 0.4093, 0.4542.

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

81.0649, 0.4093, 0.4542

Protanopia

81.1495, 0.3949, 0.4307

Deuteranopia

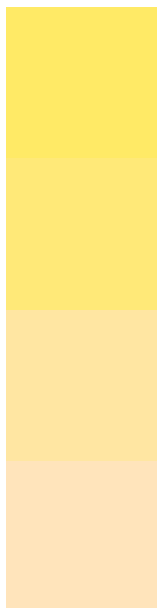
80.7323, 0.3535, 0.3615



Tritanopia

81.1086, 0.3272, 0.3192

Trichromacy



Original Color

81.0649, 0.4093, 0.4542

Protanomaly

80.8939, 0.4006, 0.4393

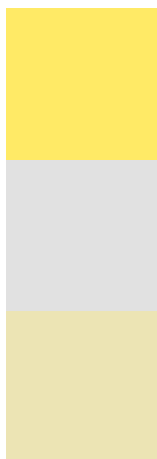
Deuteranomaly

80.4623, 0.3761, 0.3979

Tritanomaly

80.3347, 0.3597, 0.3707

Monochromacy



Original Color

81.0649, 0.4093, 0.4542

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.6150, 0.3504, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0649, 0.4093, 0.4542 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, 234, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 102)  
}
```

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, 234, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 102) }
```

Border

The CSS property to change the border of an element to Yxy 81.0649, 0.4093, 0.4542 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, 234, 102) }
```

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

```
.border{ border-color:rgb(255, 234, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0649, 0.4093, 0.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 102) }
```

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

```
.background{ background-color: rgb(255,  
234, 102) }
```

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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