

Converting Colors

$Yxy(80.4525, 0.4039, 0.4521)$

Have a look what the booklet for
Yxy(80.4525, 0.4039, 0.4521)
contains.

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Color

Yxy(80.4164, 0.4039, 0.4520)

Conversions

Conversions Part 1

Format	Color
Hex	FBEA6B
RGB	251, 234, 107
RGB Percent	98%, 92%, 42%
CMY	0.0157, 0.0823, 0.5805
CMYK	0.00, 0.07, 0.57, 0.02
HSL	53°, 95%, 70%
HSV	53°, 57%, 98%
XYZ	71.8588, 80.4164, 25.6372
YIQ	224.6050, 50.8990, -35.8930

Conversions

Conversions Part 2

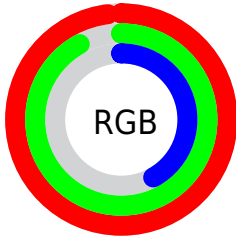
Format	Color
RYB	126, 251, 107
Decimal	16509547
CIELab	91.87, -9.47, 62.49
CIELCh	92, 63.198, 98.616
Yxy	80.4164, 0.4039, 0.4520
Android (android.graphics.Color)	4294699627 (0xFFFFBEA6B)
YUV	224.6050, -57.9793, 23.1484
Hunter-Lab	89.6752, -13.8954, 45.8223

Details

The Yxy color **80.4164, 0.4039, 0.4520** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.4964, 0.2051, 0.1638**, and the grayscale version is **75.3938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **43.6946, 0.4190, 0.4758** is the 20% darker color. If you saturate the color by 10%, you get **78.2944, 0.4171, 0.4672**, and if you desaturate by 10%, it is **82.7274, 0.3889, 0.4334**.

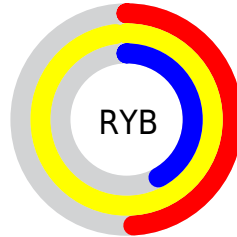
Distribution



Red (98%)

Green (92%)

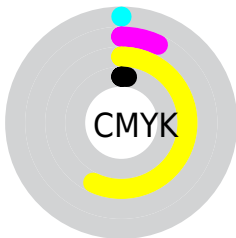
Blue (42%)



Red (49%)

Yellow (98%)

Blue (42%)

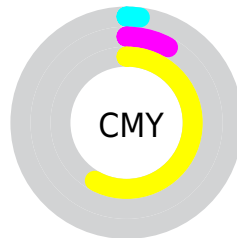


Cyan (0%)

Magenta (7%)

Yellow (57%)

Black (2%)



Cyan (2%)


Magenta (8%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4164, 0.4039, 0.4520 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 80.4164, 0.4039, 0.4520 by changing the saturation by 10% instead.


 80.4164, 0.4039,
0.4520


 80.4164, 0.4039,
0.4520


496.3350, 0.3658,
0.3980

 60.0611, 0.4111,
0.4630


 133.9510, 0.3918,
0.4342

 43.4679, 0.4191,
0.4758


 167.8991, 0.3868,
0.4270

 30.2524, 0.4279,
0.4905


 207.1468, 0.3823,
0.4207

 20.0302, 0.4368,
0.5073

 252.0787, 0.3783,
0.4151

 12.4170, 0.4452,
0.5261

303.0791, 0.3747,
0.4101

 7.0284, 0.4522,
0.5478

360.5323, 0.3714,

 3.4798, 0.4427,

0.4056

0.5573

424.8228, 0.3685,
0.4016

■ 1.3871, 0.4263,
0.5737

■ 0.2072, 0.0000,
1.0000

■ 80.4164, 0.4039,
0.4520

■ 80.4164, 0.4039,
0.4520

■ 78.2944, 0.4171,
0.4672

■ 82.7274, 0.3889,
0.4334

■ 76.3363, 0.4278,
0.4783


■ 85.2282, 0.3728,
0.4125


■ 74.5295, 0.4358,
0.4848

■ 87.9337, 0.3562,
0.3902

■ 72.8531, 0.4410,
0.4870


■ 90.8538, 0.3398,
0.3675

 72.4270, 0.4422,
0.4871

 93.9980, 0.3239,
0.3450

 97.2078, 0.3104,
0.3259

 99.0799, 0.3103,
0.3287

 99.2489, 0.3102,
0.3290

Harmonies

Analogous

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



80.4164, 0.4491, 0.4087



80.4164, 0.4039, 0.4520



80.4164, 0.3373, 0.4630

Triad

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



80.4164, 0.4039, 0.4520



80.4164, 0.1876, 0.2764



80.4164, 0.3480, 0.2561

Complementary

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



80.4164, 0.4039, 0.4520



24.4964, 0.2051, 0.1638

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.



80.4164, 0.2745, 0.2262



80.4164, 0.4039, 0.4520



80.4164, 0.1898, 0.2326

Square

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



80.4164, 0.4039, 0.4520



80.4164, 0.2140, 0.3472



80.4164, 0.2192, 0.2171



80.4164, 0.4181, 0.3014

Rectangle

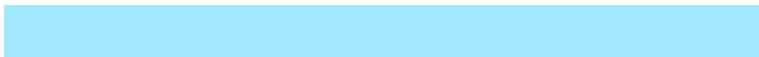
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4164, 0.4039, 0.4520



80.4164, 0.2900, 0.4418



80.4164, 0.2192, 0.2171



80.4164, 0.3225, 0.2441

Sweetspot

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



80.4202, 0.4039, 0.4520



94.2962, 0.3392, 0.3666



32.5305, 0.4656, 0.3103



20.0487, 0.3424, 0.3712



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.



80.4202, 0.4039, 0.4520



80.8096, 0.4191, 0.4694



82.0858, 0.3576, 0.4853



19.8205, 0.3272, 0.3497



38.2129, 0.4417, 0.4875



3.6350, 0.4387, 0.4899

Inverse Universe

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



24.4964, 0.2051, 0.1638



17.9617, 0.1838, 0.1278



24.9270, 0.2377, 0.1596



16.9727, 0.2979, 0.3074



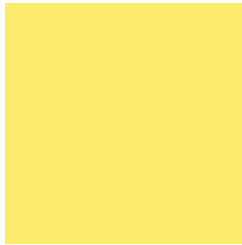
4.2449, 0.1524, 0.0685



0.4958, 0.1566, 0.0839

Previews

White Background



This preview shows how the Yxy color 80.4164, 0.4039, 0.4520 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 80.4164, 0.4039, 0.4520 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 80.4164, 0.4039, 0.4520

Background



This preview shows how black text looks on a background with the Yxy color 80.4164, 0.4039, 0.4520.



This preview shows how white text looks on a background with the Yxy color 80.4164, 0.4039, 0.4520.

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

80.4164, 0.4039, 0.4520

Protanopia

80.4033, 0.3994, 0.4359

Deuteranopia

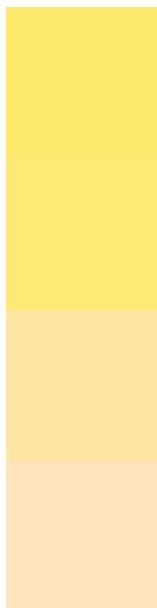
80.0932, 0.3551, 0.3626



Tritanopia

80.0915, 0.3267, 0.3162

Trichromacy



Original Color

80.4164, 0.4039, 0.4520

Protanomaly

80.6330, 0.4015, 0.4421

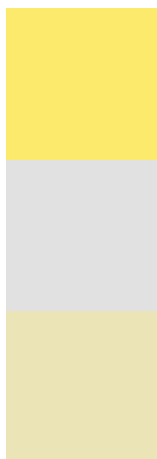
Deuteranomaly

80.2731, 0.3754, 0.3981

Tritanomaly

79.6831, 0.3578, 0.3678

Monochromacy



Original Color

80.4164, 0.4039, 0.4520

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.3566, 0.3475, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4164, 0.4039, 0.4520 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(251, 234, 107)` looks like.

```
.text, #text, p{  
    color:rgb(251, 234, 107)  
}
```

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(251, 234, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 234, 107) }
```

Border

The CSS property to change the border of an element to Yxy 80.4164, 0.4039, 0.4520 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(251, 234, 107) }
```

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

```
.border{ border-color:rgb(251, 234, 107) }
```

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

Here you see how a box with a 4 pixel rgb(251, 234, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 234, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 234, 107);  
box-shadow:4px 4px 4px 4px rgb(251, 234,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4164, 0.4039, 0.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 234, 107) }
```

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

```
.background{ background-color: rgb(251,  
234, 107) }
```

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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