

Converting Colors

$Y_{xy}(80.0400, 0.4104, 0.4528)$

Have a look what the booklet for
Yxy(80.0400, 0.4104, 0.4528)
contains.

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Color

Yxy(79.9325, 0.4105, 0.4526)

Conversions

Conversions Part 1

Format	Color
Hex	FFE866
RGB	255, 232, 102
RGB Percent	100%, 91%, 40%
CMY	0.0000, 0.0902, 0.6000
CMYK	0.00, 0.09, 0.60, 0.00
HSL	51°, 100%, 70%
HSV	51°, 60%, 100%
XYZ	72.4973, 79.9325, 24.1776
YIQ	224.0570, 55.4380, -35.5540

Conversions

Conversions Part 2

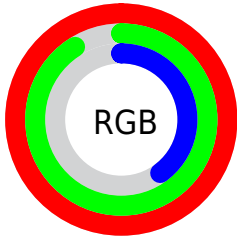
Format	Color
R _Y B	129, 255, 102
Decimal	16771174
CIE Lab	91.65, -7.19, 64.50
CIE LCh	92, 64.900, 96.359
Yxy	79.9325, 0.4105, 0.4526
Android (android.graphics.Color)	4294961254 (0xFFFFE866)
YUV	224.0570, -60.1741, 27.1370
Hunter-Lab	89.4050, -11.7154, 46.5498

Details

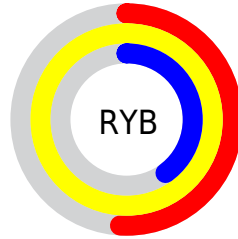
The Yxy color **79.9325, 0.4105, 0.4526** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.7119, 0.2013, 0.1612**, and the grayscale version is **74.9940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **43.2436, 0.4262, 0.4760** is the 20% darker color. If you saturate the color by 10%, you get **77.3697, 0.4241, 0.4664**, and if you desaturate by 10%, it is **82.7022, 0.3950, 0.4352**.

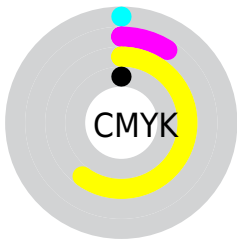
Distribution



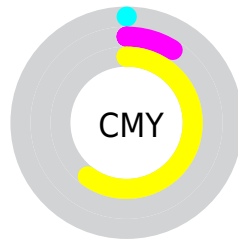
- Red (100%)
- Green (91%)
- Blue (40%)



- Red (51%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (9%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9325, 0.4105, 0.4526 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 79.9325, 0.4105, 0.4526 by changing the saturation by 10% instead.

 79.9325, 0.4105,
0.4526


 79.9325, 0.4105,
0.4526

494.7053, 0.3696,
0.3989


 59.6628, 0.4182,
0.4633


 133.2708, 0.3975,
0.4351


 43.1469, 0.4268,
0.4757


 167.1083, 0.3921,
0.4279

 30.0004, 0.4361,
0.4897


 206.2370, 0.3873,
0.4216

 19.8389, 0.4456,
0.5053

 251.0416, 0.3830,
0.4160

 12.2780, 0.4552,
0.5230

301.9063, 0.3791,
0.4110

 6.9333, 0.4607,
0.5393

359.2156, 0.3757,

 3.4204, 0.4535,

0.4066

0.5465

423.3538, 0.3725,
0.4025

■ 1.3550, 0.4409,
0.5591

■ 0.1832, 0.0000,
1.0000

■ 79.9325, 0.4105,
0.4526

■ 79.9325, 0.4105,
0.4526

■ 77.3697, 0.4241,
0.4664

■ 82.7022, 0.3950,
0.4352

■ 74.9922, 0.4353,
0.4759


■ 85.6856, 0.3783,
0.4153

■ 72.7844, 0.4435,
0.4808

■ 88.8967, 0.3613,
0.3939

■ 70.7170, 0.4492,
0.4815

■ 92.3462, 0.3444,
0.3719

 70.7168, 0.4492,
0.4815

 96.0444, 0.3281,
0.3501

100.0000, 0.3127,
0.3290

Harmonies

Analogous

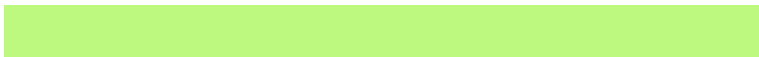
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9325, 0.4548, 0.4063



79.9325, 0.4105, 0.4526



79.9325, 0.3431, 0.4680

Triad

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



79.9325, 0.4105, 0.4526



79.9325, 0.1855, 0.2793



79.9325, 0.3430, 0.2513

Complementary

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



79.9325, 0.4105, 0.4526



24.7119, 0.2013, 0.1612

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.



79.9325, 0.2683, 0.2223



79.9325, 0.4105, 0.4526



79.9325, 0.1857, 0.2323

Square

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



79.9325, 0.4105, 0.4526



79.9325, 0.2146, 0.3537



79.9325, 0.2136, 0.2146



79.9325, 0.4166, 0.2966

Rectangle

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



79.9325, 0.4105, 0.4526



79.9325, 0.2945, 0.4492



79.9325, 0.2136, 0.2146



79.9325, 0.3168, 0.2395

Sweetspot

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



79.9346, 0.4105, 0.4526



93.0653, 0.3410, 0.3675



32.3087, 0.4702, 0.3047



19.6965, 0.3459, 0.3739



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.



79.9346, 0.4105, 0.4526



76.8795, 0.4266, 0.4687



85.3169, 0.3622, 0.4901



20.5980, 0.3273, 0.3490



37.1274, 0.4486, 0.4820



3.7356, 0.4447, 0.4851

Inverse Universe

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



24.7119, 0.2013, 0.1612



17.4977, 0.1805, 0.1256



23.4957, 0.2294, 0.1500



17.8183, 0.2979, 0.3082



4.6389, 0.1534, 0.0721



0.5753, 0.1581, 0.0889

Previews

White Background



This preview shows how the Yxy color 79.9325, 0.4105, 0.4526 looks on a white background.

Color Contrast Check

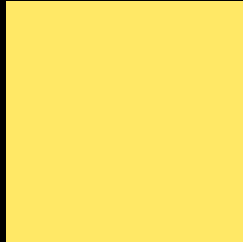
Large Text (above 18pt) WCAG AA × Fail

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 79.9325, 0.4105, 0.4526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

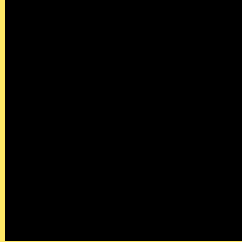
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9325, 0.4105, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 79.9325, 0.4105, 0.4526.

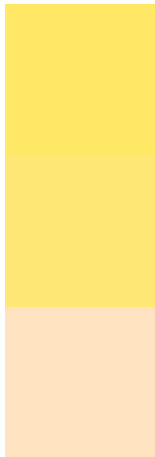


This preview shows how white text looks on a background with the Yxy color 79.9325, 0.4105, 0.4526.

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

79.9325, 0.4105, 0.4526

Protanopia

79.6962, 0.4033, 0.4401

Deuteranopia

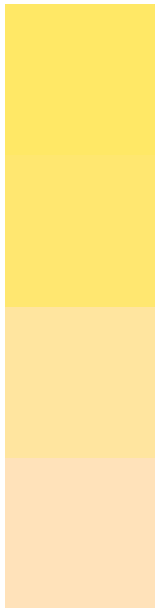
80.0039, 0.3565, 0.3646



Tritanopia

79.9759, 0.3281, 0.3181

Trichromacy



Original Color

79.9325, 0.4105, 0.4526

Protanomaly

79.5817, 0.4060, 0.4441

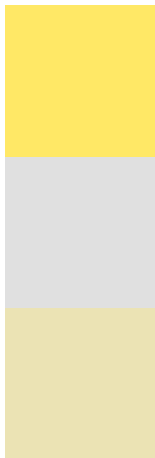
Deuteranomaly

79.8018, 0.3785, 0.3999

Tritanomaly

79.1979, 0.3609, 0.3698

Monochromacy



Original Color

79.9325, 0.4105, 0.4526

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.8956, 0.3498, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9325, 0.4105, 0.4526 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, 232, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 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, 232, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 102) }
```

Border

The CSS property to change the border of an element to Yxy 79.9325, 0.4105, 0.4526 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, 232, 102) }
```

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

```
.border{ border-color:rgb(255, 232, 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, 232, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9325, 0.4105, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 102) }
```

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

```
.background{ background-color: rgb(255,  
232, 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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