

Converting Colors

$Y_{xy}(100.0000, 0.4686, 0.4207)$

Have a look what the booklet for
Yxy(100.0000, 0.4686, 0.4207)
contains.

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Color

Yxy(79.9525, 0.4100, 0.4519)

Conversions

Conversions Part 1

Format	Color
Hex	FFE867
RGB	255, 232, 103
RGB Percent	100%, 91%, 40%
CMY	0.0001, 0.0901, 0.5962
CMYK	0.00, 0.09, 0.60, 0.00
HSL	51°, 100%, 70%
HSV	51°, 60%, 100%
XYZ	72.5393, 79.9525, 24.4334
YIQ	224.1710, 55.1170, -35.2430

Conversions

Conversions Part 2

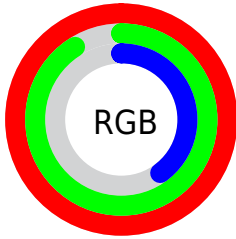
Format	Color
R _Y B	130, 255, 103
Decimal	16771175
CIE Lab	91.66, -7.14, 64.09
CIE LCh	92, 64.487, 96.355
Yxy	79.9525, 0.4100, 0.4519
Android (android.graphics.Color)	4294961255 (0xFFFFE867)
YUV	224.1710, -59.7373, 27.0370
Hunter-Lab	89.4162, -11.6692, 46.3901

Details

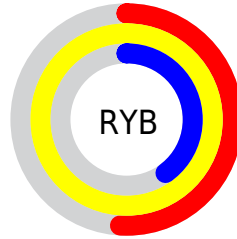
The Yxy color **79.9525, 0.4100, 0.4519** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **25.0087, 0.2020, 0.1625**, and the grayscale version is **75.0752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **43.2516, 0.4258, 0.4754** is the 20% darker color. If you saturate the color by 10%, you get **77.3743, 0.4237, 0.4659**, and if you desaturate by 10%, it is **82.7418, 0.3944, 0.4344**.

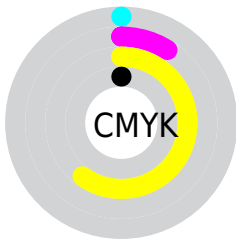
Distribution



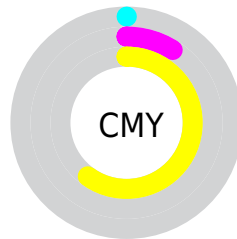
- Red (100%)
- Green (91%)
- Blue (40%)



- 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 79.9525, 0.4100, 0.4519 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 79.9525, 0.4100, 0.4519 by changing the saturation by 10% instead.


 79.9525, 0.4100,
0.4519


 79.9525, 0.4100,
0.4519


494.7727, 0.3693,
0.3985

 59.6793, 0.4177,
0.4626


 133.2989, 0.3971,
0.4345

 43.1602, 0.4263,
0.4749


 167.1410, 0.3917,
0.4273

 30.0108, 0.4356,
0.4889


 206.2747, 0.3869,
0.4211

 19.8468, 0.4452,
0.5045

 251.0845, 0.3826,
0.4155

 12.2837, 0.4548,
0.5222

301.9548, 0.3787,
0.4105

 6.9372, 0.4609,
0.5391

359.2700, 0.3753,

 3.4229, 0.4537,

0.4061

0.5463

423.4145, 0.3721,
0.4021

■ 1.3563, 0.4413,
0.5587

■ 0.1842, 0.0042,
0.9958

■ 79.9525, 0.4100,
0.4519

■ 79.9525, 0.4100,
0.4519

■ 77.3743, 0.4237,
0.4659

■ 82.7418, 0.3944,
0.4344

■ 74.9810, 0.4350,
0.4755

■ 85.7441, 0.3777,
0.4145


■ 72.7585, 0.4434,
0.4805

■ 88.9750, 0.3606,
0.3930

■ 70.6791, 0.4492,
0.4814

■ 92.4453, 0.3437,
0.3710

 70.6007, 0.4494,
0.4814

 96.1650, 0.3275,
0.3492

99.9969, 0.3127,
0.3290

Harmonies

Analogous

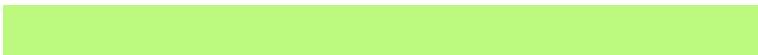
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9525, 0.4540, 0.4059



79.9525, 0.4100, 0.4519



79.9525, 0.3430, 0.4670

Triad

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



79.9525, 0.4100, 0.4519



79.9525, 0.1862, 0.2797



79.9525, 0.3428, 0.2518

Complementary

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



79.9525, 0.4100, 0.4519



25.0087, 0.2020, 0.1625

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.



79.9525, 0.2686, 0.2228



79.9525, 0.4100, 0.4519



79.9525, 0.1863, 0.2329

Square

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



79.9525, 0.4100, 0.4519



79.9525, 0.2152, 0.3536



79.9525, 0.2142, 0.2152



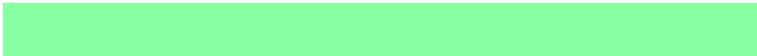
79.9525, 0.4159, 0.2968

Rectangle

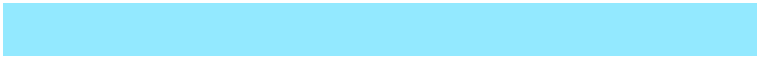
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9525, 0.4100, 0.4519



79.9525, 0.2947, 0.4483



79.9525, 0.2142, 0.2152



79.9525, 0.3168, 0.2400

Sweetspot

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



79.9563, 0.4100, 0.4519



93.0425, 0.3410, 0.3675



32.5190, 0.4686, 0.3048



19.6908, 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.



79.9563, 0.4100, 0.4519



76.7982, 0.4267, 0.4686



85.3702, 0.3621, 0.4891



20.5954, 0.3273, 0.3490



37.0728, 0.4488, 0.4818



3.7308, 0.4449, 0.4849

Inverse Universe

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



25.0087, 0.2020, 0.1625



17.5258, 0.1805, 0.1258



23.7495, 0.2300, 0.1511



17.8207, 0.2979, 0.3082



4.6465, 0.1534, 0.0722



0.5765, 0.1581, 0.0891

Previews

White Background



This preview shows how the Yxy color 79.9525, 0.4100, 0.4519 looks on a white background.

Color Contrast Check

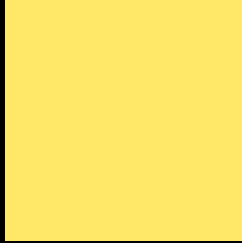
Large Text (above 18pt) WCAG AA × Fail

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 79.9525, 0.4100, 0.4519 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 79.9525, 0.4100, 0.4519

Background



This preview shows how black text looks on a background with the Yxy color 79.9525, 0.4100, 0.4519.



This preview shows how white text looks on a background with the Yxy color 79.9525, 0.4100, 0.4519.

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

79.9525, 0.4100, 0.4519

Protanopia

79.7198, 0.4027, 0.4393

Deuteranopia

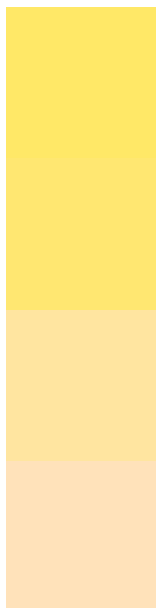
80.0039, 0.3565, 0.3646



Tritanopia

79.9759, 0.3281, 0.3181

Trichromacy



Original Color

79.9525, 0.4100, 0.4519

Protanomaly

79.6041, 0.4054, 0.4433

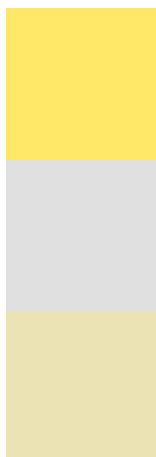
Deuteranomaly

79.8367, 0.3778, 0.3989

Tritanomaly

79.1979, 0.3609, 0.3698

Monochromacy



Original Color

79.9525, 0.4100, 0.4519

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 79.9525, 0.4100, 0.4519 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 103) }
```

Border

The CSS property to change the border of an element to Yxy 79.9525, 0.4100, 0.4519 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, 103) }
```

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

```
.border{ border-color:rgb(255, 232, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9525, 0.4100, 0.4519 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, 103) }
```

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

```
.background{ background-color: rgb(255,  
232, 103) }
```

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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