

Converting Colors

$Yxy(77.9846, 0.4060, 0.4393)$

Have a look what the booklet for
Yxy(77.9846, 0.4060, 0.4393)
contains.

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Color

Yxy(77.9846, 0.4060, 0.4393)

Conversions

Conversions Part 1

Format	Color
Hex	FFE473
RGB	255, 228, 115
RGB Percent	100%, 89%, 45%
CMY	0.0000, 0.1058, 0.5492
CMYK	0.00, 0.11, 0.55, 0.00
HSL	48°, 100%, 73%
HSV	48°, 55%, 100%
XYZ	72.0732, 77.9846, 27.4624
YIQ	223.1910, 52.3650, -29.4190

Conversions

Conversions Part 2

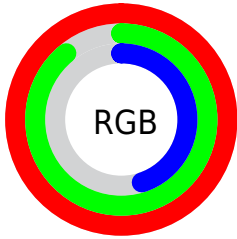
Format	Color
R_{YB}	148, 255, 115
Decimal	16770163
CIE Lab	90.77, -4.28, 57.73
CIE LCh	91, 57.886, 94.240
Yxy	77.9846, 0.4060, 0.4393
Android (android.graphics.Color)	4294960243 (0xFFFFE473)
YUV	223.1910, -53.3382, 27.8965
Hunter-Lab	88.3089, -8.8580, 43.3782

Details

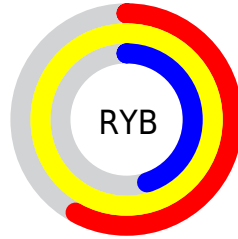
The Yxy color **77.9846, 0.4060, 0.4393** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.1907, 0.2126, 0.1846**, and the grayscale version is **74.2926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **41.9707, 0.4231, 0.4603** is the 20% darker color. If you saturate the color by 10%, you get **74.8155, 0.4220, 0.4545**, and if you desaturate by 10%, it is **81.4002, 0.3887, 0.4212**.

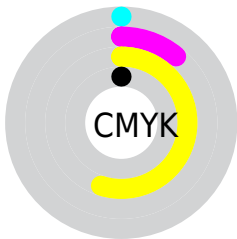
Distribution



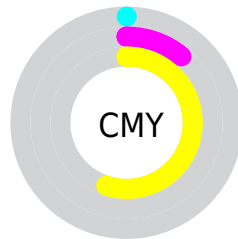
- Red (100%)
- Green (89%)
- Blue (45%)



- Red (58%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (11%)
- Yellow (55%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9846, 0.4060, 0.4393 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 77.9846, 0.4060, 0.4393 by changing the saturation by 10% instead.


 77.9846, 0.4060,
0.4393

 77.9846, 0.4060,
0.4393


488.1145, 0.3659,
0.3909

 58.0613, 0.4140,
0.4492


 130.5284, 0.3930,
0.4233

 41.8580, 0.4231,
0.4607


 163.9177, 0.3876,
0.4169

 28.9901, 0.4334,
0.4741


 202.5645, 0.3829,
0.4112

 19.0733, 0.4446,
0.4893

246.8532, 0.3787,
0.4062

 11.7233, 0.4561,
0.5060

297.1682, 0.3750,
0.4017

 6.5555, 0.4712,
0.5288

353.8938, 0.3717,

 3.1857, 0.4668,

0.3977

417.4144, 0.3686,
0.3941

0.5332

1.2295, 0.4590,
0.5410

0.0856, 0.0000,
1.0000

77.9846, 0.4060,
0.4393

77.9846, 0.4060,
0.4393

74.8155, 0.4220,
0.4545

81.4002, 0.3887,
0.4212

71.8674, 0.4360,
0.4657

85.0639, 0.3709,
0.4012

69.1275, 0.4473,
0.4723

88.9913, 0.3532,
0.3802

66.5752, 0.4555,
0.4742

93.1929, 0.3362,
0.3592

 65.3344, 0.4589,
0.4738

 97.6787, 0.3202,
0.3387

99.9978, 0.3127,
0.3290

Harmonies

Analogous

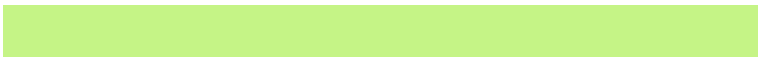
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9846, 0.4432, 0.3975



77.9846, 0.4060, 0.4393



77.9846, 0.3460, 0.4537

Triad

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



77.9846, 0.4060, 0.4393



77.9846, 0.1977, 0.2891



77.9846, 0.3354, 0.2557

Complementary

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



77.9846, 0.4060, 0.4393



30.1907, 0.2126, 0.1846

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.



77.9846, 0.2686, 0.2302



77.9846, 0.4060, 0.4393



77.9846, 0.1957, 0.2437

Square

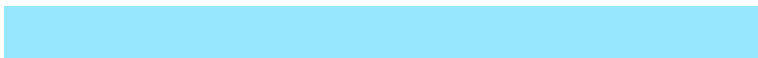
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9846, 0.4060, 0.4393



77.9846, 0.2269, 0.3568



77.9846, 0.2198, 0.2250



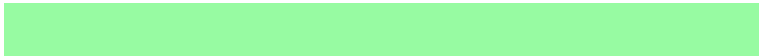
77.9846, 0.4021, 0.2968

Rectangle

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



77.9846, 0.4060, 0.4393



77.9846, 0.3018, 0.4385



77.9846, 0.2198, 0.2250



77.9846, 0.3119, 0.2452

Sweetspot

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



77.9883, 0.4060, 0.4393



92.7322, 0.3380, 0.3615



35.4939, 0.4438, 0.3011



19.6598, 0.3415, 0.3658



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.



77.9883, 0.4060, 0.4393



74.4921, 0.4236, 0.4559



86.8931, 0.3629, 0.4757



20.4608, 0.3274, 0.3481



34.3537, 0.4581, 0.4744



3.4904, 0.4529, 0.4786

Inverse Universe

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



30.1907, 0.2126, 0.1846



22.4551, 0.1924, 0.1513



26.6384, 0.2344, 0.1640



17.9440, 0.2979, 0.3092



5.0862, 0.1551, 0.0782



0.6372, 0.1603, 0.0970

Previews

White Background



This preview shows how the Yxy color 77.9846, 0.4060, 0.4393 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 77.9846, 0.4060, 0.4393 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 77.9846, 0.4060, 0.4393

Background



This preview shows how black text looks on a background with the Yxy color 77.9846, 0.4060, 0.4393.



This preview shows how white text looks on a background with the Yxy color 77.9846, 0.4060, 0.4393.

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

77.9846, 0.4060, 0.4393

Protanopia

78.1591, 0.4039, 0.4408

Deuteranopia

78.1165, 0.3615, 0.3678



Tritanopia

77.6926, 0.3306, 0.3171

Trichromacy



Original Color

77.9846, 0.4060, 0.4393

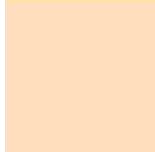
Protanomaly

78.3473, 0.4047, 0.4404



Deuteranomaly

77.6485, 0.3792, 0.3952



Tritanomaly

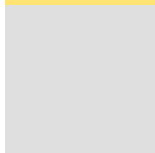
77.1767, 0.3598, 0.3628

Monochromacy



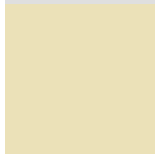
Original Color

77.9846, 0.4060, 0.4393



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

74.9733, 0.3475, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9846, 0.4060, 0.4393 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, 228, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 115)  
}
```

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, 228, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 115) }
```

Border

The CSS property to change the border of an element to Yxy 77.9846, 0.4060, 0.4393 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, 228, 115) }
```

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

```
.border{ border-color:rgb(255, 228, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
115) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.9846, 0.4060, 0.4393$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 115) }
```

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

```
.background{ background-color: rgb(255,  
228, 115) }
```

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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