

Converting Colors

Yxy(90.6213, 0.4152, 0.4619)

Have a look what the booklet for
Yxy(90.6213, 0.4152, 0.4619)
contains.

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Color

Yxy(87.9978, 0.4055, 0.4679)

Conversions

Conversions Part 1

Format	Color
Hex	FFF65F
RGB	255, 246, 95
RGB Percent	100%, 96%, 37%
CMY	0.0000, 0.0353, 0.6271
CMYK	0.00, 0.04, 0.63, 0.00
HSL	57°, 100%, 69%
HSV	57°, 63%, 100%
XYZ	76.2623, 87.9978, 23.8096
YIQ	231.4770, 53.8350, -45.0530

Conversions

Conversions Part 2

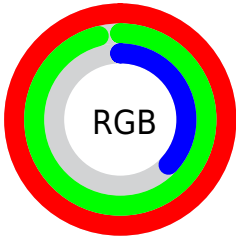
Format	Color
R_{YB}	105, 255, 95
Decimal	16774751
CIE _{Lab}	95.16, -14.52, 71.16
CIE _{LCh}	95, 72.629, 101.534
Yxy	87.9978, 0.4055, 0.4679
Android (android.graphics.Color)	4294964831 (0xFFFF65F)
YUV	231.4770, -67.2832, 20.6297
Hunter-Lab	93.8071, -19.0476, 50.6163

Details

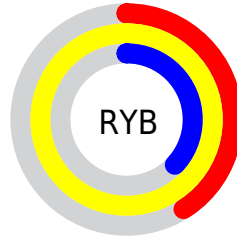
The Yxy color **87.9978, 0.4055, 0.4679** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **19.5700, 0.1923, 0.1357**, and the grayscale version is **80.7742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0144, 0.3739, 0.4302**, and **48.5388, 0.4188, 0.4934** is the 20% darker color. If you saturate the color by 10%, you get **86.7428, 0.4156, 0.4816**, and if you desaturate by 10%, it is **89.4195, 0.3931, 0.4503**.

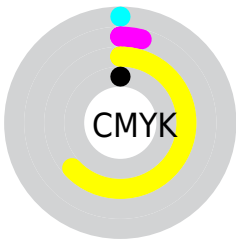
Distribution



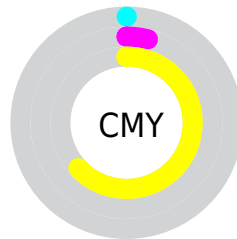
- Red (100%)
- Green (96%)
- Blue (37%)



- Red (41%)
- Yellow (100%)
- Blue (37%)



- Cyan (0%)
- Magenta (4%)
- Yellow (63%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9978, 0.4055, 0.4679 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 87.9978, 0.4055, 0.4679 by changing the saturation by 10% instead.


 87.9978, 0.4055,
0.4679


 87.9978, 0.4055,
0.4679


521.4960, 0.3687,
0.4081

 66.3212, 0.4119,
0.4797


 144.5541, 0.3943,
0.4485


 48.5332, 0.4187,
0.4933

 180.2026, 0.3895,
0.4406

 34.2494, 0.4257,
0.5086


 221.2773, 0.3851,
0.4335

 23.0852, 0.4320,
0.5256

 268.1624, 0.3812,
0.4273

 14.6564, 0.4373,
0.5453

321.2425, 0.3776,
0.4217

 8.5786, 0.4366,
0.5634

380.9018, 0.3744,

 4.4674, 0.4238,

0.4167

0.5762

447.5249, 0.3714,
0.4122

■ 1.9383, 0.4027,
0.5973

■ 0.5712, 0.2480,
0.7520

■ 87.9978, 0.4055,
0.4679

■ 87.9978, 0.4055,
0.4679

■ 86.7428, 0.4156,
0.4816

■ 89.4195, 0.3931,
0.4503

■ 85.6266, 0.4230,
0.4909

■ 91.0089, 0.3789,
0.4296

■ 84.6348, 0.4277,
0.4957

■ 92.7821, 0.3636,
0.4068

■ 83.9705, 0.4297,
0.4970

■ 94.7499, 0.3478,
0.3829

96.9222, 0.3320,
0.3588

99.3082, 0.3167,
0.3352

99.9987, 0.3127,
0.3290

Harmonies

Analogous

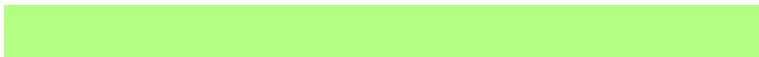
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9978, 0.4596, 0.4201



87.9978, 0.4055, 0.4679



87.9978, 0.3307, 0.4780

Triad

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



87.9978, 0.4055, 0.4679



87.9978, 0.1745, 0.2635



87.9978, 0.3599, 0.2530

Complementary

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



87.9978, 0.4055, 0.4679



19.5700, 0.1923, 0.1357

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.



87.9978, 0.2772, 0.2188



87.9978, 0.4055, 0.4679



87.9978, 0.1800, 0.2195

Square

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



87.9978, 0.4055, 0.4679



87.9978, 0.1994, 0.3399



87.9978, 0.2145, 0.2063



87.9978, 0.4364, 0.3031

Rectangle

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



87.9978, 0.4055, 0.4679



87.9978, 0.2790, 0.4509



87.9978, 0.2145, 0.2063



87.9978, 0.3313, 0.2395

Sweetspot

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



88.0019, 0.4055, 0.4679



95.5382, 0.3419, 0.3740



30.4922, 0.5027, 0.3198



20.3196, 0.3464, 0.3809



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.



88.0019, 0.4055, 0.4679



86.4810, 0.4175, 0.4841



82.7443, 0.3526, 0.5030



20.9055, 0.3271, 0.3512



43.9547, 0.4295, 0.4972



4.3309, 0.4282, 0.4982

Inverse Universe

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



19.5700, 0.1923, 0.1357



13.2658, 0.1716, 0.1006



23.3503, 0.2375, 0.1478



17.5414, 0.2978, 0.3058



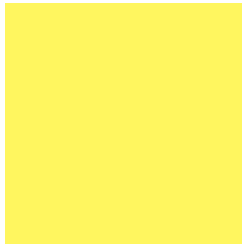
4.0062, 0.1509, 0.0633



0.4451, 0.1531, 0.0712

Previews

White Background



This preview shows how the Yxy color 87.9978, 0.4055, 0.4679 looks on a white background.

Color Contrast Check

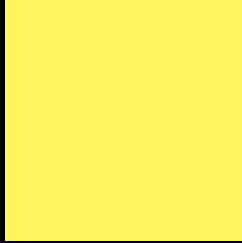
Large Text (above 18pt) WCAG AA × Fail

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 87.9978, 0.4055, 0.4679 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 87.9978, 0.4055, 0.4679

Background



This preview shows how black text looks on a background with the Yxy color 87.9978, 0.4055, 0.4679.



This preview shows how white text looks on a background with the Yxy color 87.9978, 0.4055, 0.4679.

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

87.9978, 0.4055, 0.4679

Protanopia

87.7585, 0.3565, 0.3831

Deuteranopia

87.5764, 0.3356, 0.3469



Tritanopia

87.8435, 0.3198, 0.3203

Trichromacy



Original Color

87.9978, 0.4055, 0.4679



Protanomaly

87.6943, 0.3765, 0.4173



Deuteranomaly

87.2657, 0.3642, 0.3951



Tritanomaly

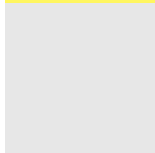
87.2979, 0.3548, 0.3791

Monochromacy



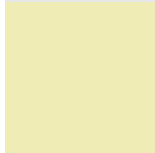
Original Color

87.9978, 0.4055, 0.4679



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.8936, 0.3501, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9978, 0.4055, 0.4679 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, 246, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 95)  
}
```

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, 246, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 95) }
```

Border

The CSS property to change the border of an element to Yxy 87.9978, 0.4055, 0.4679 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, 246, 95) }
```

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

```
.border{ border-color:rgb(255, 246, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9978, 0.4055, 0.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 95) }
```

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

```
.background{ background-color: rgb(255,  
246, 95) }
```

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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