

Converting Colors

$Yxy(89.3091, 0.4076, 0.4976)$

Have a look what the booklet for
Yxy(89.3091, 0.4076, 0.4976)
contains.

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Color

Yxy(89.3091, 0.4076, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	F5FC37
RGB	245, 252, 55
RGB Percent	96%, 99%, 22%
CMY	0.0393, 0.0117, 0.7837
CMYK	0.03, 0.00, 0.78, 0.01
HSL	62°, 97%, 60%
HSV	62°, 78%, 99%
XYZ	73.1559, 89.3091, 17.0147
YIQ	227.4490, 59.0650, -62.7510

Conversions

Conversions Part 2

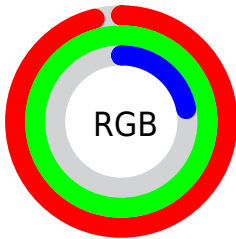
Format	Color
RYB	55, 252, 62
Decimal	16120887
CIELab	95.71, -23.29, 84.88
CIELCh	96, 88.014, 105.342
Yxy	89.3091, 0.4076, 0.4976
Android (android.graphics.Color)	4294310967 (0xFFFF5FC37)
YUV	227.4490, -85.0174, 15.3922
Hunter-Lab	94.5035, -27.2028, 55.4777

Details

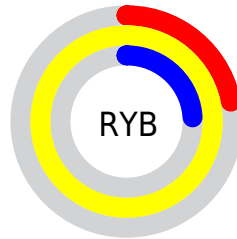
The Yxy color **89.3091, 0.4076, 0.4976** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.8049, 0.1678, 0.0866**, and the grayscale version is **77.7726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **49.7941, 0.4095, 0.5130** is the 20% darker color. If you saturate the color by 10%, you get **88.9682, 0.4114, 0.5057**, and if you desaturate by 10%, it is **89.7824, 0.4011, 0.4851**.

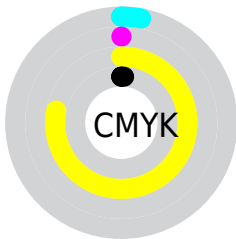
Distribution



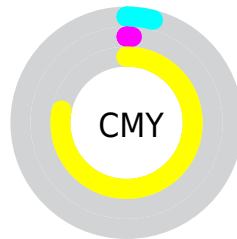
- Red (96%)
- Green (99%)
- Blue (22%)



- Red (22%)
- Yellow (99%)
- Blue (24%)



- Cyan (3%)
- Magenta (0%)
- Yellow (78%)
- Black (1%)





- Cyan (4%)
- Magenta (1%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3091, 0.4076, 0.4976 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 89.3091, 0.4076, 0.4976 by changing the saturation by 10% instead.


 89.3091, 0.4076,
0.4976


 89.3091, 0.4076,
0.4976


525.7808, 0.3734,
0.4262


 67.4078, 0.4124,
0.5111


 146.3783, 0.3981,
0.4749

 49.4161, 0.4169,
0.5262


 182.3150, 0.3937,
0.4654


 34.9496, 0.4201,
0.5427


 223.6989, 0.3896,
0.4570

 23.6241, 0.4211,
0.5604

 270.9145, 0.3858,
0.4495

 15.0550, 0.4193,
0.5807

 324.3460, 0.3823,
0.4427

 8.8580, 0.4057,
0.5943

384.3780, 0.3791,

 4.6487, 0.3853,

0.4367

0.6147

451.3948, 0.3761,
0.4312

■ 2.0426, 0.3518,
0.6482

■ 0.6321, 0.0486,
0.9514

■ 89.3091, 0.4076,
0.4976

■ 89.3091, 0.4076,
0.4976

■ 88.9682, 0.4114,
0.5057

■ 89.7824, 0.4011,
0.4851

■ 88.7247, 0.4129,
0.5097

■ 90.3921, 0.3920,
0.4683

■ 88.6842, 0.4130,
0.5103

■ 91.1563, 0.3807,
0.4478

■ 92.0874, 0.3677,
0.4247

 93.1964, 0.3536,
0.3999

 94.4933, 0.3390,
0.3744

 95.9875, 0.3243,
0.3490

 97.5742, 0.3111,
0.3261

 97.7425, 0.3116,
0.3261

Harmonies

Analogous

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



89.3091, 0.4779, 0.4391



89.3091, 0.4076, 0.4976



89.3091, 0.3183, 0.5085

Triad

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



89.3091, 0.4076, 0.4976



89.3091, 0.1512, 0.2403



89.3091, 0.3815, 0.2462

Complementary

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



89.3091, 0.4076, 0.4976



10.8049, 0.1678, 0.0866

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.



89.3091, 0.2809, 0.2048



89.3091, 0.4076, 0.4976



89.3091, 0.1620, 0.1965

Square

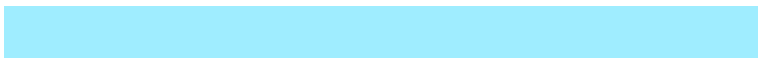
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3091, 0.4076, 0.4976



89.3091, 0.1733, 0.3263



89.3091, 0.2047, 0.1869



89.3091, 0.4707, 0.3043

Rectangle

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



89.3091, 0.4076, 0.4976



89.3091, 0.2589, 0.4698



89.3091, 0.2047, 0.1869



89.3091, 0.3469, 0.2301

Sweetspot

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



89.3132, 0.4076, 0.4976



96.3870, 0.3462, 0.3869



24.3880, 0.5826, 0.3339



20.5303, 0.3515, 0.3961



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.



89.3132, 0.4076, 0.4976



91.2301, 0.4125, 0.5085



76.1075, 0.3409, 0.5457



20.1574, 0.3263, 0.3525



46.2078, 0.4131, 0.5102



4.2892, 0.4139, 0.5096

Inverse Universe

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



10.8049, 0.1678, 0.0866



7.7625, 0.1531, 0.0639



17.2634, 0.2318, 0.1195



16.6725, 0.2984, 0.3045



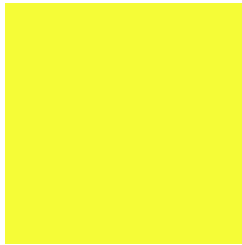
3.7045, 0.1511, 0.0606



0.3532, 0.1537, 0.0620

Previews

White Background



This preview shows how the Yxy color 89.3091, 0.4076, 0.4976 looks on a white background.

Color Contrast Check

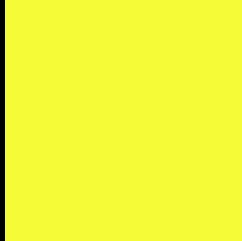
Large Text (above 18pt) WCAG AA × Fail

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 89.3091, 0.4076, 0.4976 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 89.3091, 0.4076, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 89.3091, 0.4076, 0.4976.



This preview shows how white text looks on a background with the Yxy color 89.3091, 0.4076, 0.4976.

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



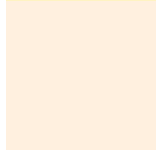
Original Color

89.3091, 0.4076, 0.4976



Protanopia

89.2562, 0.3516, 0.3779



Deuteranopia

88.9079, 0.3334, 0.3458



Tritanopia

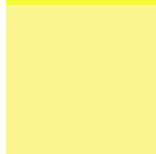
88.6679, 0.3172, 0.3174

Trichromacy



Original Color

89.3091, 0.4076, 0.4976



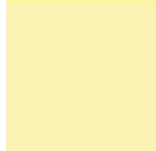
Protanomaly

88.4344, 0.3783, 0.4302



Deuteranomaly

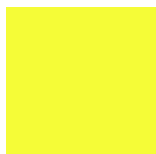
87.8192, 0.3685, 0.4114



Tritanomaly

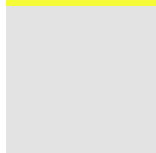
87.2682, 0.3585, 0.3927

Monochromacy



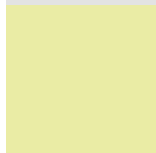
Original Color

89.3091, 0.4076, 0.4976



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

80.1999, 0.3567, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3091, 0.4076, 0.4976 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(245, 252, 55)` looks like.

```
.text, #text, p{  
    color:rgb(245, 252, 55)  
}
```

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(245, 252, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 252, 55) }
```

Border

The CSS property to change the border of an element to Yxy 89.3091, 0.4076, 0.4976 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(245, 252, 55) }
```

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

```
.border{ border-color:rgb(245, 252, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 252, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 252, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 252, 55);  
box-shadow:4px 4px 4px 4px rgb(245, 252,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3091, 0.4076, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 252, 55) }
```

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

```
.background{ background-color: rgb(245,  
252, 55) }
```

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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