

Converting Colors

$Yxy(90.5787, 0.4055, 0.4877)$

Have a look what the booklet for
Yxy(90.5787, 0.4055, 0.4877)
contains.

Yxy(90.2416, 0.4056, 0.4876)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.2416, 0.4056, 0.4876)

Conversions

Conversions Part 1

Format	Color
Hex	F9FC49
RGB	249, 252, 73
RGB Percent	98%, 99%, 29%
CMY	0.0237, 0.0117, 0.7137
CMYK	0.01, 0.00, 0.71, 0.01
HSL	61°, 97%, 64%
HSV	61°, 71%, 99%
XYZ	75.0656, 90.2416, 19.7658
YIQ	230.6970, 55.6710, -56.3050

Conversions

Conversions Part 2

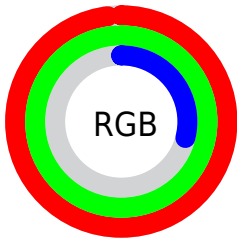
Format	Color
R_{YB}	73, 252, 76
Decimal	16383049
CIE _{Lab}	96.10, -21.00, 80.03
CIE _{LCh}	96, 82.737, 104.706
Yxy	90.2416, 0.4056, 0.4876
Android (android.graphics.Color)	4294573129 (0xFFFF9FC49)
YUV	230.6970, -77.7446, 16.0517
Hunter-Lab	94.9956, -25.1914, 54.1604

Details

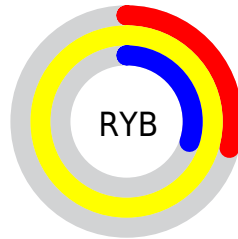
The Yxy color **90.2416, 0.4056, 0.4876** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **13.3361, 0.1768, 0.1028**, and the grayscale version is **80.2299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **50.2987, 0.4131, 0.5102** is the 20% darker color. If you saturate the color by 10%, you get **89.8969, 0.4116, 0.4985**, and if you desaturate by 10%, it is **90.7302, 0.3969, 0.4724**.

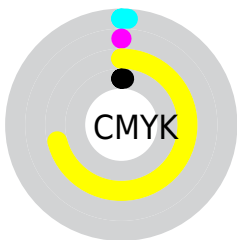
Distribution



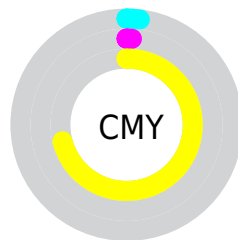
- Red (98%)
- Green (99%)
- Blue (29%)



- Red (29%)
- Yellow (99%)
- Blue (30%)



- Cyan (1%)
- Magenta (0%)
- Yellow (71%)
- Black (1%)





- Cyan (2%)
- Magenta (1%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2416, 0.4056, 0.4876 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 90.2416, 0.4056, 0.4876 by changing the saturation by 10% instead.

 90.2416, 0.4056,
0.4876


 90.2416, 0.4056,
0.4876


528.8165, 0.3710,
0.4200

 68.1810, 0.4109,
0.5007


 147.6739, 0.3956,
0.4659

 50.0450, 0.4161,
0.5154


 183.8145, 0.3912,
0.4569

 35.4492, 0.4207,
0.5318


 225.4172, 0.3870,
0.4490

 24.0091, 0.4234,
0.5495

 272.8664, 0.3832,
0.4419

 15.3404, 0.4265,
0.5735

 326.5466, 0.3798,
0.4355

 9.0586, 0.4145,
0.5855

386.8420, 0.3766,

 4.7794, 0.3966,

0.4298

0.6034

454.1372, 0.3737,
0.4247

■ 2.1184, 0.3671,
0.6329

■ 0.6750, 0.1602,
0.8398

■ 90.2416, 0.4056,
0.4876

■ 90.2416, 0.4056,
0.4876

■ 89.8969, 0.4116,
0.4985

■ 90.7302, 0.3969,
0.4724

■ 89.6661, 0.4151,
0.5049

■ 91.3647, 0.3859,
0.4533


■ 89.5348, 0.4163,
0.5077

■ 92.1619, 0.3730,
0.4312

■ 93.1334, 0.3588,
0.4070

 94.2894, 0.3439,
0.3817

 95.6395, 0.3289,
0.3563

 97.1925, 0.3142,
0.3315

 97.6273, 0.3112,
0.3262

 97.7085, 0.3115,
0.3262

Harmonies

Analogous

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



90.2416, 0.4707, 0.4338



90.2416, 0.4056, 0.4876



90.2416, 0.3212, 0.4967

Triad

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



90.2416, 0.4056, 0.4876



90.2416, 0.1593, 0.2474



90.2416, 0.3755, 0.2497

Complementary

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



90.2416, 0.4056, 0.4876



13.3361, 0.1768, 0.1028

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.



90.2416, 0.2813, 0.2104



90.2416, 0.4056, 0.4876



90.2416, 0.1689, 0.2041

Square

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



90.2416, 0.4056, 0.4876



90.2416, 0.1819, 0.3294



90.2416, 0.2093, 0.1939



90.2416, 0.4594, 0.3052

Rectangle

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



90.2416, 0.4056, 0.4876



90.2416, 0.2647, 0.4613



90.2416, 0.2093, 0.1939



90.2416, 0.3431, 0.2344

Sweetspot

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



90.2458, 0.4056, 0.4876



96.8441, 0.3439, 0.3817



26.3487, 0.5537, 0.3320



20.6542, 0.3480, 0.3887



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.



90.2458, 0.4056, 0.4876



92.2216, 0.4133, 0.5016



77.5417, 0.3440, 0.5290



20.1747, 0.3266, 0.3524



46.6373, 0.4163, 0.5076



4.3241, 0.4167, 0.5073

Inverse Universe

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



13.3361, 0.1768, 0.1028



9.1140, 0.1587, 0.0734



19.8490, 0.2380, 0.1328



16.6572, 0.2981, 0.3045



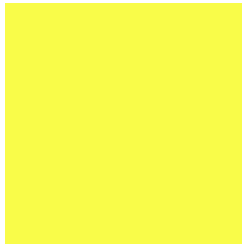
3.6820, 0.1505, 0.0603



0.3459, 0.1518, 0.0610

Previews

White Background



This preview shows how the Yxy color 90.2416, 0.4056, 0.4876 looks on a white background.

Color Contrast Check

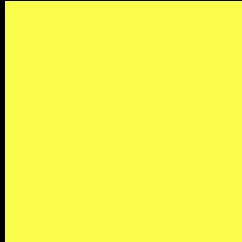
Large Text (above 18pt) WCAG AA × Fail

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 90.2416, 0.4056, 0.4876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

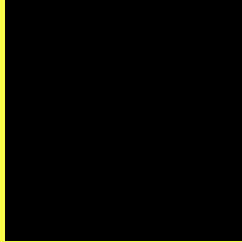
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.2416, 0.4056, 0.4876

Background



This preview shows how black text looks on a background with the Yxy color 90.2416, 0.4056, 0.4876.

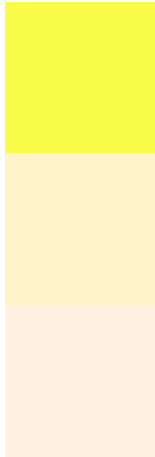


This preview shows how white text looks on a background with the Yxy color 90.2416, 0.4056, 0.4876.

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

90.2416, 0.4056, 0.4876

Protanopia

90.1784, 0.3469, 0.3718

Deuteranopia

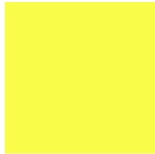
90.2552, 0.3313, 0.3448



Tritanopia

89.8326, 0.3171, 0.3193

Trichromacy



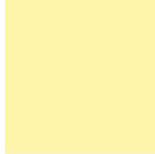
Original Color

90.2416, 0.4056, 0.4876



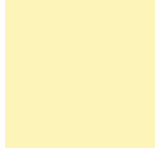
Protanomaly

89.7373, 0.3737, 0.4212



Deuteranomaly

89.6965, 0.3644, 0.4049



Tritanomaly

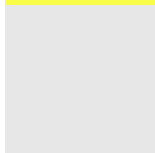
89.0868, 0.3556, 0.3882

Monochromacy



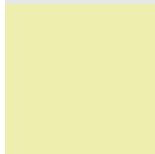
Original Color

90.2416, 0.4056, 0.4876



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.9661, 0.3531, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2416, 0.4056, 0.4876 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(249, 252, 73)` looks like.

```
.text, #text, p{  
    color:rgb(249, 252, 73)  
}
```

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(249, 252, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 252, 73) }
```

Border

The CSS property to change the border of an element to Yxy 90.2416, 0.4056, 0.4876 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(249, 252, 73) }
```

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

```
.border{ border-color:rgb(249, 252, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 252, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 252, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 252, 73);  
box-shadow:4px 4px 4px 4px rgb(249, 252,  
73) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.2416, 0.4056, 0.4876$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 252, 73) }
```

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

```
.background{ background-color: rgb(249,  
252, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor