

Converting Colors

Yxy(90.0436, 0.3984, 0.4611)

Have a look what the booklet for
Yxy(90.0436, 0.3984, 0.4611)
contains.

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Color

Yxy(90.0941, 0.3983, 0.4611)

Conversions

Conversions Part 1

Format	Color
Hex	FFF96C
RGB	255, 249, 108
RGB Percent	100%, 98%, 42%
CMY	0.0000, 0.0235, 0.5765
CMYK	0.00, 0.02, 0.58, 0.00
HSL	58°, 100%, 71%
HSV	58°, 58%, 100%
XYZ	77.8236, 90.0941, 27.4718
YIQ	234.7200, 48.8370, -42.5790

Conversions

Conversions Part 2

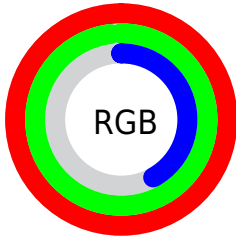
Format	Color
RYB	114, 255, 108
Decimal	16775532
CIELab	96.04, -15.15, 66.79
CIELCh	96, 68.483, 102.779
Yxy	90.0941, 0.3983, 0.4611
Android (android.graphics.Color)	4294965612 (0xFFFFF96C)
YUV	234.7200, -62.4730, 17.7856
Hunter-Lab	94.9179, -19.7534, 49.2824

Details

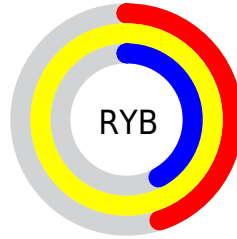
The Yxy color **90.0941, 0.3983, 0.4611** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.4389, 0.2016, 0.1496**, and the grayscale version is **83.3111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **49.9810, 0.4106, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **88.9903, 0.4092, 0.4770**, and if you desaturate by 10%, it is **91.3663, 0.3853, 0.4416**.

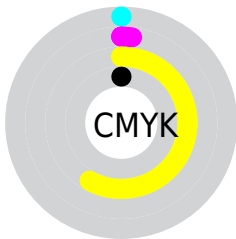
Distribution



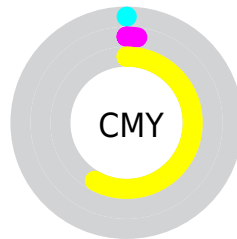
- Red (100%)
- Green (98%)
- Blue (42%)



- Red (45%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (2%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0941, 0.3983, 0.4611 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 90.0941, 0.3983, 0.4611 by changing the saturation by 10% instead.


 90.0941, 0.3983,
0.4611

 90.0941, 0.3983,
0.4611


528.3369, 0.3641,
0.4038

 68.0587, 0.4044,
0.4727


 147.4691, 0.3877,
0.4423

 49.9455, 0.4111,
0.4861


 183.5775, 0.3832,
0.4347

 35.3701, 0.4181,
0.5016


 225.1456, 0.3792,
0.4280

 23.9481, 0.4248,
0.5193

272.5580, 0.3756,
0.4220

 15.2951, 0.4300,
0.5390

326.1989, 0.3723,
0.4167

 9.0268, 0.4352,
0.5648

386.4527, 0.3693,

 4.7586, 0.4225,

0.4119

0.5775

453.7039, 0.3666,
0.4076

■ 2.1064, 0.4015,
0.5985

■ 0.6682, 0.2842,
0.7158

■ 90.0941, 0.3983,
0.4611

■ 90.0941, 0.3983,
0.4611

■ 88.9903, 0.4092,
0.4770

■ 91.3663, 0.3853,
0.4416

■ 88.0314, 0.4175,
0.4887


■ 92.8104, 0.3708,
0.4195

■ 87.2037, 0.4232,
0.4959

■ 94.4405, 0.3554,
0.3958

■ 86.4848, 0.4262,
0.4989

■ 96.2672, 0.3397,
0.3714

 86.3241, 0.4267,
0.4994

 98.3000, 0.3242,
0.3471

100.0000, 0.3127,
0.3290

Harmonies

Analogous

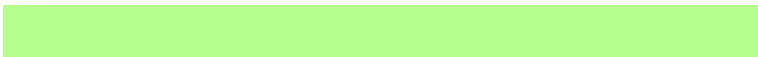
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0941, 0.4499, 0.4184



90.0941, 0.3983, 0.4611



90.0941, 0.3274, 0.4668

Triad

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



90.0941, 0.3983, 0.4611



90.0941, 0.1816, 0.2657



90.0941, 0.3604, 0.2590

Complementary

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



90.0941, 0.3983, 0.4611



22.4389, 0.2016, 0.1496

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.



90.0941, 0.2826, 0.2257



90.0941, 0.3983, 0.4611



90.0941, 0.1879, 0.2248

Square

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



90.0941, 0.3983, 0.4611



90.0941, 0.2045, 0.3363



90.0941, 0.2220, 0.2129



90.0941, 0.4308, 0.3073

Rectangle

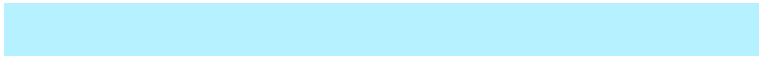
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0941, 0.3983, 0.4611



90.0941, 0.2789, 0.4396



90.0941, 0.2220, 0.2129



90.0941, 0.3338, 0.2459

Sweetspot

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



90.0972, 0.3983, 0.4611



96.3931, 0.3386, 0.3698



33.2288, 0.4824, 0.3224



20.5495, 0.3418, 0.3747



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.



90.0972, 0.3983, 0.4611



88.8526, 0.4105, 0.4788



83.4016, 0.3496, 0.4907



20.9562, 0.3270, 0.3515



45.1623, 0.4266, 0.4995



4.4352, 0.4257, 0.5002

Inverse Universe

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



22.4389, 0.2016, 0.1496



15.5759, 0.1804, 0.1141



26.9585, 0.2471, 0.1629



17.4964, 0.2978, 0.3054



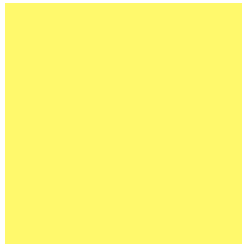
3.9419, 0.1507, 0.0624



0.4238, 0.1523, 0.0682

Previews

White Background



This preview shows how the Yxy color 90.0941, 0.3983, 0.4611 looks on a white background.

Color Contrast Check

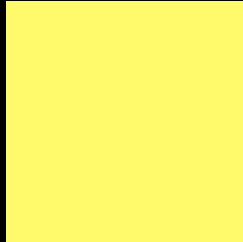
Large Text (above 18pt) WCAG AA × Fail

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 90.0941, 0.3983, 0.4611 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 90.0941, 0.3983, 0.4611

Background



This preview shows how black text looks on a background with the Yxy color 90.0941, 0.3983, 0.4611.

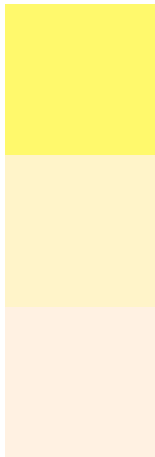


This preview shows how white text looks on a background with the Yxy color 90.0941, 0.3983, 0.4611.

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

90.0941, 0.3983, 0.4611

Protanopia

90.1784, 0.3469, 0.3718

Deuteranopia

89.6616, 0.3314, 0.3438



Tritanopia

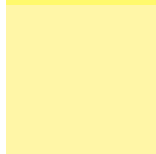
89.7084, 0.3184, 0.3213

Trichromacy



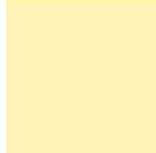
Original Color

90.0941, 0.3983, 0.4611



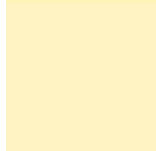
Protanomaly

89.9616, 0.3677, 0.4075



Deuteranomaly

89.3803, 0.3583, 0.3899



Tritanomaly

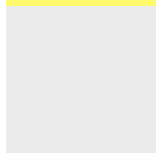
89.3467, 0.3503, 0.3759

Monochromacy



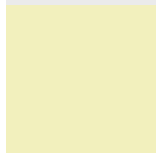
Original Color

90.0941, 0.3983, 0.4611



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8715, 0.3462, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0941, 0.3983, 0.4611 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, 249, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 108)  
}
```

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, 249, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 108) }
```

Border

The CSS property to change the border of an element to Yxy 90.0941, 0.3983, 0.4611 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, 249, 108) }
```

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

```
.border{ border-color:rgb(255, 249, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0941, 0.3983, 0.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 108) }
```

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

```
.background{ background-color: rgb(255,  
249, 108) }
```

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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