

Converting Colors

$Y_{xy}(100.0000, 0.4374, 0.4629)$

Have a look what the booklet for
Yxy(100.0000, 0.4374, 0.4629)
contains.

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Color

Yxy(91.4309, 0.4083, 0.4822)

Conversions

Conversions Part 1

Format	Color
Hex	FFFC4E
RGB	255, 252, 78
RGB Percent	100%, 99%, 31%
CMY	0.0001, 0.0117, 0.6944
CMYK	0.00, 0.01, 0.69, 0.00
HSL	59°, 100%, 65%
HSV	59°, 69%, 100%
XYZ	77.4186, 91.4309, 20.7625
YIQ	233.0610, 57.6420, -53.4780

Conversions

Conversions Part 2

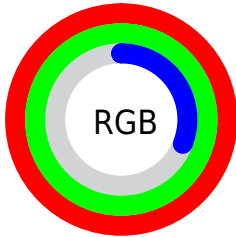
Format	Color
R _Y B	81, 255, 78
Decimal	16776270
CIE Lab	96.59, -18.34, 79.00
CIE LCh	97, 81.100, 103.068
Yxy	91.4309, 0.4083, 0.4822
Android (android.graphics.Color)	4294966350 (0xFFFFFC4E)
YUV	233.0610, -76.4451, 19.2405
Hunter-Lab	95.6195, -22.8112, 54.0596

Details

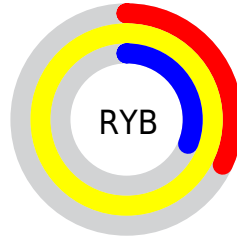
The Yxy color **91.4309, 0.4083, 0.4822** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **14.7066, 0.1787, 0.1090**, and the grayscale version is **82.0842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5861, 0.3814, 0.4426**, and **51.0820, 0.4184, 0.5060** is the 20% darker color. If you saturate the color by 10%, you get **90.8698, 0.4155, 0.4933**, and if you desaturate by 10%, it is **92.1427, 0.3985, 0.4668**.

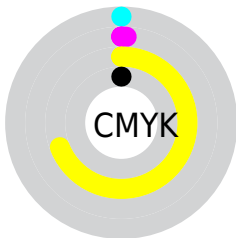
Distribution



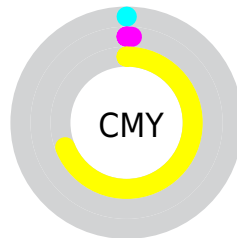
- Red (100%)
- Green (99%)
- Blue (31%)



- Red (32%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (1%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4309, 0.4083, 0.4822 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 91.4309, 0.4083, 0.4822 by changing the saturation by 10% instead.

 91.4309, 0.4083,
0.4822

 91.4309, 0.4083,
0.4822


532.6746, 0.3722,
0.4173

 69.1680, 0.4141,
0.4947


 149.3244, 0.3977,
0.4615

 50.8486, 0.4199,
0.5087


 185.7238, 0.3930,
0.4528

 36.0881, 0.4253,
0.5244


 227.6042, 0.3887,
0.4452

 24.5023, 0.4292,
0.5413

 275.3500, 0.3848,
0.4384

 15.7066, 0.4334,
0.5632

329.3455, 0.3812,
0.4323

 9.3168, 0.4246,
0.5754

389.9752, 0.3779,

 4.9484, 0.4094,

0.4268

0.5906

457.6234, 0.3749,
0.4218

■ 2.2170, 0.3845,
0.6155

■ 0.7292, 0.2518,
0.7482

■ 91.4309, 0.4083,
0.4822

■ 91.4309, 0.4083,
0.4822

■ 90.8698, 0.4155,
0.4933

■ 92.1427, 0.3985,
0.4668

■ 90.4293, 0.4200,
0.4999

■ 93.0072, 0.3864,
0.4477

■ 90.0867, 0.4222,
0.5028

■ 94.0414, 0.3726,
0.4256

■ 90.0684, 0.4223,
0.5029

■ 95.2568, 0.3577,
0.4017

 96.6640, 0.3423,
0.3768

 98.2726, 0.3268,
0.3519

99.9964, 0.3127,
0.3290

Harmonies

Analogous

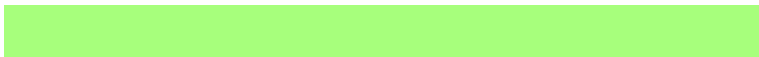
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4309, 0.4701, 0.4289



91.4309, 0.4083, 0.4822



91.4309, 0.3262, 0.4936

Triad

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



91.4309, 0.4083, 0.4822



91.4309, 0.1626, 0.2528



91.4309, 0.3690, 0.2488

Complementary

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



91.4309, 0.4083, 0.4822



14.7066, 0.1787, 0.1090

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.



91.4309, 0.2776, 0.2112



91.4309, 0.4083, 0.4822



91.4309, 0.1703, 0.2082

Square

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



91.4309, 0.4083, 0.4822



91.4309, 0.1868, 0.3350



91.4309, 0.2085, 0.1963



91.4309, 0.4524, 0.3028

Rectangle

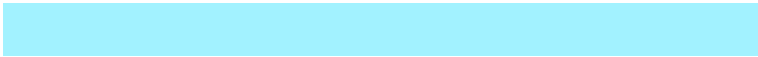
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.4309, 0.4083, 0.4822



91.4309, 0.2704, 0.4617



91.4309, 0.2085, 0.1963



91.4309, 0.3374, 0.2340

Sweetspot

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



91.4352, 0.4083, 0.4822



96.4471, 0.3447, 0.3808



27.3340, 0.5415, 0.3250



20.5581, 0.3490, 0.3876



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.



91.4352, 0.4083, 0.4822



90.7149, 0.4174, 0.4961



80.8685, 0.3497, 0.5216



21.0354, 0.3270, 0.3521



47.0946, 0.4223, 0.5029



4.6015, 0.4219, 0.5032

Inverse Universe

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



14.7066, 0.1787, 0.1090



9.7660, 0.1602, 0.0780



20.1900, 0.2324, 0.1327



17.4265, 0.2978, 0.3048



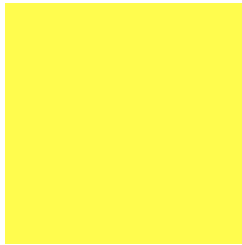
3.8422, 0.1503, 0.0610



0.3905, 0.1510, 0.0634

Previews

White Background



This preview shows how the Yxy color 91.4309, 0.4083, 0.4822 looks on a white background.

Color Contrast Check

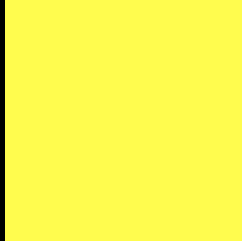
Large Text (above 18pt) WCAG AA × Fail

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 91.4309, 0.4083, 0.4822 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 91.4309, 0.4083, 0.4822

Background



This preview shows how black text looks on a background with the Yxy color 91.4309, 0.4083, 0.4822.



This preview shows how white text looks on a background with the Yxy color 91.4309, 0.4083, 0.4822.

Color Blindness Simulation

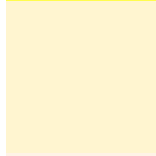
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



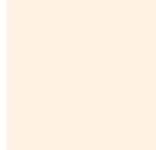
Original Color

91.4309, 0.4083, 0.4822



Protanopia

91.1189, 0.3423, 0.3657



Deuteranopia

91.0744, 0.3286, 0.3418



Tritanopia

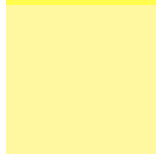
90.9479, 0.3176, 0.3223

Trichromacy



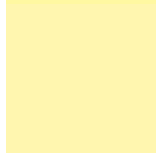
Original Color

91.4309, 0.4083, 0.4822



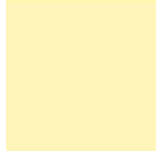
Protanomaly

90.9680, 0.3706, 0.4150



Deuteranomaly

90.2667, 0.3628, 0.3997



Tritanomaly

90.1100, 0.3562, 0.3878

Monochromacy



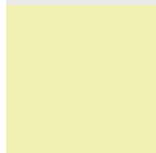
Original Color

91.4309, 0.4083, 0.4822



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

84.1953, 0.3531, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4309, 0.4083, 0.4822 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, 252, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 78)  
}
```

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, 252, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 78) }
```

Border

The CSS property to change the border of an element to Yxy 91.4309, 0.4083, 0.4822 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, 252, 78) }
```

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

```
.border{ border-color:rgb(255, 252, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4309, 0.4083, 0.4822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 78) }
```

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

```
.background{ background-color: rgb(255,  
252, 78) }
```

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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