

Converting Colors

Yxy(89.4984, 0.4107, 0.4810)

Have a look what the booklet for
Yxy(89.4984, 0.4107, 0.4810)
contains.

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Color

Yxy(89.5332, 0.4108, 0.4812)

Conversions

Conversions Part 1

Format	Color
Hex	FFF94C
RGB	255, 249, 76
RGB Percent	100%, 98%, 30%
CMY	0.0000, 0.0236, 0.7018
CMYK	0.00, 0.02, 0.70, 0.00
HSL	58°, 100%, 65%
HSV	58°, 70%, 100%
XYZ	76.4344, 89.5332, 20.0947
YIQ	231.0720, 59.1090, -52.5310

Conversions

Conversions Part 2

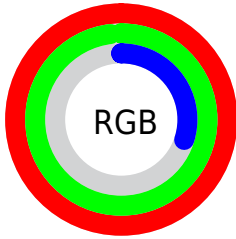
Format	Color
R _Y B	82, 255, 76
Decimal	16775500
CIE Lab	95.80, -16.94, 78.89
CIE LCh	96, 80.694, 102.121
Yxy	89.5332, 0.4108, 0.4812
Android (android.graphics.Color)	4294965580 (0xFFFFF94C)
YUV	231.0720, -76.4505, 20.9849
Hunter-Lab	94.6220, -21.3985, 53.6441

Details

The Yxy color **89.5332, 0.4108, 0.4812** 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 **14.7980, 0.1781, 0.1096**, and the grayscale version is **80.5127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **49.7420, 0.4211, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **88.7127, 0.4182, 0.4918**, and if you desaturate by 10%, it is **90.4863, 0.4007, 0.4663**.

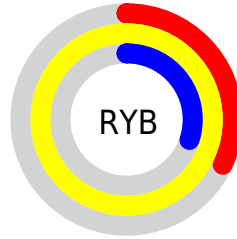
Distribution



Red (100%)

Green (98%)

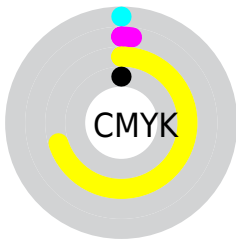
Blue (30%)



Red (32%)

Yellow (100%)

Blue (30%)

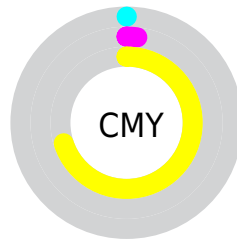


Cyan (0%)

Magenta (2%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5332, 0.4108, 0.4812 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 89.5332, 0.4108, 0.4812 by changing the saturation by 10% instead.


 89.5332, 0.4108,
0.4812

 89.5332, 0.4108,
0.4812

526.5112, 0.3734,
0.4168


 67.5935, 0.4168,
0.4935


 146.6898, 0.3998,
0.4606


 49.5671, 0.4229,
0.5074


 182.6756, 0.3950,
0.4521

 35.0696, 0.4286,
0.5227


 224.1122, 0.3905,
0.4445

 23.7165, 0.4328,
0.5392

 271.3839, 0.3865,
0.4377

 15.1234, 0.4382,
0.5616

324.8754, 0.3828,
0.4317

 8.9061, 0.4286,
0.5714

384.9708, 0.3794,

 4.6800, 0.4141,

0.4262

0.5859

452.0546, 0.3763,
0.4212

■ 2.0607, 0.3902,
0.6098

■ 0.6424, 0.2347,
0.7653

■ 89.5332, 0.4108,
0.4812

■ 89.5332, 0.4108,
0.4812

■ 88.7127, 0.4182,
0.4918

■ 90.4863, 0.4007,
0.4663

■ 88.0225, 0.4230,
0.4980

■ 91.6023, 0.3883,
0.4476

■ 87.4386, 0.4254,
0.5004

■ 92.8889, 0.3743,
0.4260

■ 94.3577, 0.3592,
0.4024

 96.0194, 0.3436,
0.3779

 97.8837, 0.3280,
0.3534

99.9596, 0.3130,
0.3294

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.



89.5332, 0.4717, 0.4270



89.5332, 0.4108, 0.4812



89.5332, 0.3288, 0.4946

Triad

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



89.5332, 0.4108, 0.4812



89.5332, 0.1626, 0.2547



89.5332, 0.3661, 0.2472

Complementary

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



89.5332, 0.4108, 0.4812



14.7980, 0.1781, 0.1096

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.



89.5332, 0.2749, 0.2101



89.5332, 0.4108, 0.4812



89.5332, 0.1694, 0.2088

Square

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



89.5332, 0.4108, 0.4812



89.5332, 0.1879, 0.3381



89.5332, 0.2066, 0.1960



89.5332, 0.4506, 0.3008

Rectangle

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



89.5332, 0.4108, 0.4812



89.5332, 0.2729, 0.4642



89.5332, 0.2066, 0.1960



89.5332, 0.3345, 0.2326

Sweetspot

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



89.5281, 0.4108, 0.4812



95.8765, 0.3448, 0.3799



27.0884, 0.5414, 0.3226



20.4200, 0.3492, 0.3867



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.



89.5281, 0.4108, 0.4812



88.4357, 0.4203, 0.4947



81.0941, 0.3517, 0.5221



20.9799, 0.3270, 0.3517



45.7352, 0.4253, 0.5005



4.4846, 0.4246, 0.5011

Inverse Universe

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



14.7980, 0.1781, 0.1096



9.8005, 0.1598, 0.0782



19.5174, 0.2289, 0.1297



17.4754, 0.2978, 0.3052



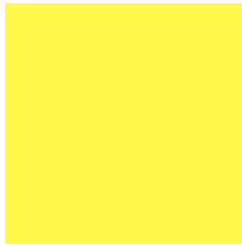
3.9120, 0.1506, 0.0620



0.4138, 0.1519, 0.0668

Previews

White Background



This preview shows how the Yxy color 89.5332, 0.4108, 0.4812 looks on a white background.

Color Contrast Check

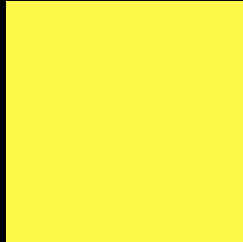
Large Text (above 18pt) WCAG AA × Fail

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 89.5332, 0.4108, 0.4812 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 89.5332, 0.4108, 0.4812

Background



This preview shows how black text looks on a background with the Yxy color 89.5332, 0.4108, 0.4812.



This preview shows how white text looks on a background with the Yxy color 89.5332, 0.4108, 0.4812.

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

89.5332, 0.4108, 0.4812

Protanopia

89.3924, 0.3496, 0.3749

Deuteranopia

89.5524, 0.3327, 0.3458



Tritanopia

89.0629, 0.3190, 0.3213

Trichromacy



Original Color

89.5332, 0.4108, 0.4812



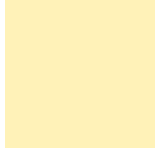
Protanomaly

88.8647, 0.3764, 0.4200



Deuteranomaly

88.8636, 0.3664, 0.4028



Tritanomaly

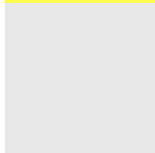
88.2250, 0.3582, 0.3870

Monochromacy



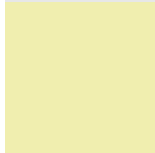
Original Color

89.5332, 0.4108, 0.4812



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.7695, 0.3542, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5332, 0.4108, 0.4812 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 76) }
```

Border

The CSS property to change the border of an element to Yxy 89.5332, 0.4108, 0.4812 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, 76) }
```

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

```
.border{ border-color:rgb(255, 249, 76) }
```

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, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5332, 0.4108, 0.4812 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, 76) }
```

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

```
.background{ background-color: rgb(255,  
249, 76) }
```

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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