

# Converting Colors

$Yxy(82.8852, 0.4074, 0.4565)$

Have a look what the booklet for  
Yxy(82.8852, 0.4074, 0.4565)  
contains.

<b>Yxy(82.7877, 0.4076, 0.4565)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(82.7877, 0.4076, 0.4565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFED66
RGB	255, 237, 102
RGB Percent	100%, 93%, 40%
CMY	0.0000, 0.0705, 0.6001
CMYK	0.00, 0.07, 0.60, 0.00
HSL	53°, 100%, 70%
HSV	53°, 60%, 100%
XYZ	73.9195, 82.7877, 24.6459
YIQ	226.9920, 54.0630, -38.1690

# Conversions

## Conversions Part 2

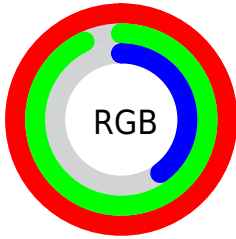
Format	Color
R <sub>Y</sub> B	122, 255, 102
Decimal	16772454
CIE Lab	92.92, -9.68, 65.91
CIE LCh	93, 66.615, 98.356
Yxy	82.7877, 0.4076, 0.4565
Android (android.graphics.Color)	4294962534 (0xFFFFE666)
YUV	226.9920, -61.6211, 24.5630
Hunter-Lab	90.9877, -14.2130, 47.6315

# Details

The Yxy color **82.7877, 0.4076, 0.4565** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.4651, 0.1999, 0.1552**, and the grayscale version is **77.2371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **44.8393, 0.4230, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **80.6403, 0.4202, 0.4707**, and if you desaturate by 10%, it is **85.1274, 0.3930, 0.4387**.

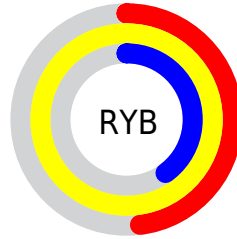
# Distribution



Red (100%)

Green (93%)

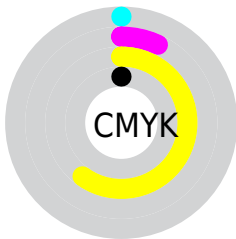
Blue (40%)



Red (48%)

Yellow (100%)

Blue (40%)

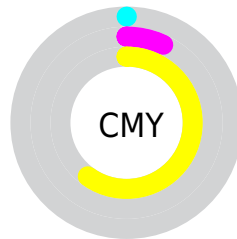


Cyan (0%)

Magenta (7%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7877, 0.4076, 0.4565 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 82.7877, 0.4076, 0.4565 by changing the saturation by 10% instead.





 82.7877, 0.4076,  
0.4565


 82.7877, 0.4076,  
0.4565

504.2787, 0.3685,  
0.4012


 62.0150, 0.4148,  
0.4676

 137.2781, 0.3953,  
0.4385

 45.0448, 0.4228,  
0.4803


 171.7646, 0.3902,  
0.4311

 31.4927, 0.4313,  
0.4948


 211.5911, 0.3856,  
0.4246

 20.9744, 0.4398,  
0.5111

 257.1422, 0.3814,  
0.4188

 13.1053, 0.4478,  
0.5294

308.8020, 0.3777,  
0.4137

 7.5011, 0.4522,  
0.5478

366.9551, 0.3744,

 3.7774, 0.4430,

0.4091

0.5570

431.9859, 0.3713,  
0.4049

■ 1.5498, 0.4272,  
0.5728

■ 0.3234, 0.1802,  
0.8198

■ 82.7877, 0.4076,  
0.4565

■ 82.7877, 0.4076,  
0.4565

■ 80.6403, 0.4202,  
0.4707

■ 85.1274, 0.3930,  
0.4387

■ 78.6585, 0.4302,  
0.4806


■ 87.6609, 0.3771,  
0.4183

■ 76.8286, 0.4374,  
0.4859

■ 90.4036, 0.3606,  
0.3962

■ 75.1231, 0.4421,  
0.4872

■ 93.3663, 0.3441,  
0.3735

 96.5589, 0.3280,  
0.3509

99.9905, 0.3127,  
0.3290

99.9987, 0.3127,  
0.3290

# Harmonies

## Analogous

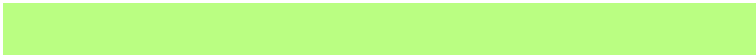
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7877, 0.4548, 0.4106



82.7877, 0.4076, 0.4565



82.7877, 0.3384, 0.4694

# Triad

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



82.7877, 0.4076, 0.4565



82.7877, 0.1830, 0.2744



82.7877, 0.3487, 0.2530

# Complementary

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



82.7877, 0.4076, 0.4565



23.4651, 0.1999, 0.1552

# 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.



82.7877, 0.2722, 0.2223



82.7877, 0.4076, 0.4565



82.7877, 0.1852, 0.2289

# Square

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



82.7877, 0.4076, 0.4565



82.7877, 0.2104, 0.3485



82.7877, 0.2152, 0.2130



82.7877, 0.4222, 0.2995

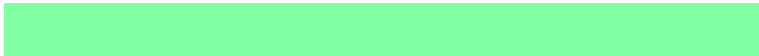


# Rectangle

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



82.7877, 0.4076, 0.4565



82.7877, 0.2893, 0.4478



82.7877, 0.2152, 0.2130



82.7877, 0.3221, 0.2407

# Sweetspot

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



82.7916, 0.4076, 0.4565



93.9948, 0.3408, 0.3689



32.1706, 0.4770, 0.3098



19.9264, 0.3455, 0.3756



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.



82.7916, 0.4076, 0.4565



80.2377, 0.4224, 0.4730



84.6009, 0.3588, 0.4921



20.7047, 0.3272, 0.3498



39.4007, 0.4417, 0.4875



3.9350, 0.4388, 0.4898



# Inverse Universe

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



23.4651, 0.1999, 0.1552



16.3994, 0.1789, 0.1193



23.9942, 0.2333, 0.1517



17.7214, 0.2979, 0.3073



4.3648, 0.1523, 0.0684



0.5300, 0.1564, 0.0829



# Previews

## White Background



This preview shows how the Yxy color 82.7877, 0.4076, 0.4565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

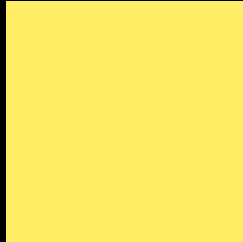
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.7877, 0.4076, 0.4565 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 82.7877, 0.4076, 0.4565**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.7877, 0.4076, 0.4565.

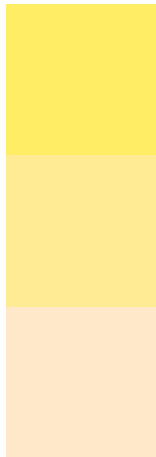


This preview shows how white text looks on a background with the Yxy color 82.7877, 0.4076, 0.4565.

# 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

82.7877, 0.4076, 0.4565

### Protanopia

82.7832, 0.3838, 0.4169

### Deuteranopia

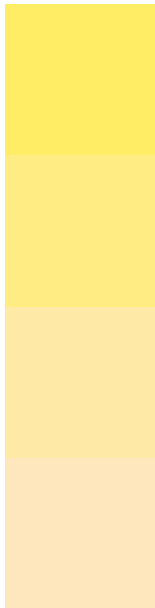
82.6761, 0.3488, 0.3583



## Tritanopia

82.9199, 0.3250, 0.3192

# Trichromacy



## Original Color

82.7877, 0.4076, 0.4565

## Protanomaly

82.8896, 0.3929, 0.4323

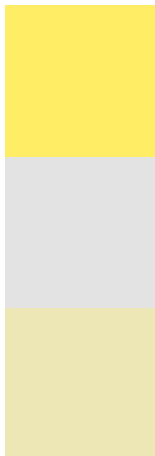
## Deuteranomaly

82.2910, 0.3725, 0.3967

## Tritanomaly

82.0860, 0.3576, 0.3716

# Monochromacy



## Original Color

82.7877, 0.4076, 0.4565

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

78.5338, 0.3491, 0.3810

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.7877, 0.4076, 0.4565 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, 237, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 102)  
}
```

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, 237, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 82.7877, 0.4076, 0.4565 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, 237, 102) }
```

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

```
.border{ border-color:rgb(255, 237, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
102) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 82.7877, 0.4076, 0.4565$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 102) }
```

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

```
.background{ background-color: rgb(255,  
237, 102) }
```

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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