

# Converting Colors

Yxy(87.9406, 0.4027, 0.4630)

Have a look what the booklet for  
Yxy(87.9406, 0.4027, 0.4630)  
contains.

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# **Color**

**Yxy(88.1308, 0.4026, 0.4632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF666
RGB	255, 246, 102
RGB Percent	100%, 96%, 40%
CMY	0.0000, 0.0353, 0.6001
CMYK	0.00, 0.04, 0.60, 0.00
HSL	56°, 100%, 70%
HSV	56°, 60%, 100%
XYZ	76.6007, 88.1308, 25.5336
YIQ	232.2750, 51.5880, -42.8760

# Conversions

## Conversions Part 2

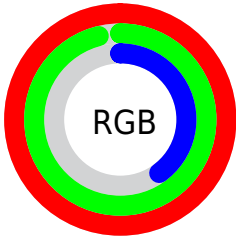
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	112, 255, 102
Decimal	16774758
CIE Lab	95.22, -14.08, 68.42
CIE LCh	95, 69.852, 101.627
Yxy	88.1308, 0.4026, 0.4632
Android (android.graphics.Color)	4294964838 (0xFFFFFFFF666)
YUV	232.2750, -64.2256, 19.9298
Hunter-Lab	93.8780, -18.6376, 49.5885

# Details

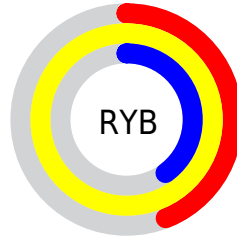
The Yxy color **88.1308, 0.4026, 0.4632** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **21.4040, 0.1976, 0.1448**, and the grayscale version is **81.3701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **48.6109, 0.4155, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **86.7902, 0.4134, 0.4780**, and if you desaturate by 10%, it is **89.6312, 0.3896, 0.4447**.

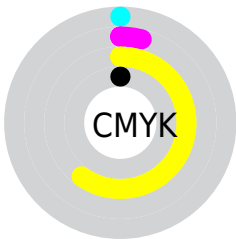
# Distribution



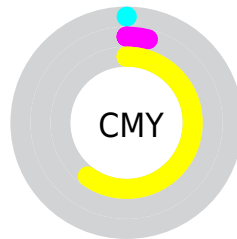
- Red (100%)
- Green (96%)
- Blue (40%)



- Red (44%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (4%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1308, 0.4026, 0.4632 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 88.1308, 0.4026, 0.4632 by changing the saturation by 10% instead.




 88.1308, 0.4026,  
0.4632


 88.1308, 0.4026,  
0.4632


521.9315, 0.3666,  
0.4051

 66.4314, 0.4090,  
0.4748


 144.7392, 0.3915,  
0.4443

 48.6227, 0.4159,  
0.4882

 180.4171, 0.3868,  
0.4365

 34.3203, 0.4231,  
0.5035


 221.5232, 0.3825,  
0.4297

 23.1397, 0.4300,  
0.5208

 268.4419, 0.3787,  
0.4237

 14.6967, 0.4354,  
0.5400

321.5578, 0.3752,  
0.4183

 8.6068, 0.4382,  
0.5618

381.2550, 0.3721,

 4.4856, 0.4259,

0.4134

0.5741

447.9181, 0.3692,  
0.4091

■ 1.9488, 0.4056,  
0.5944

■ 0.5774, 0.2622,  
0.7378

■ 88.1308, 0.4026,  
0.4632

■ 88.1308, 0.4026,  
0.4632

■ 86.7902, 0.4134,  
0.4780

■ 89.6312, 0.3896,  
0.4447

■ 85.5991, 0.4216,  
0.4885


■ 91.3090, 0.3750,  
0.4234

■ 84.5386, 0.4271,  
0.4944

■ 93.1743, 0.3594,  
0.4003

■ 83.5808, 0.4302,  
0.4966

■ 95.2375, 0.3435,  
0.3763

 97.5085, 0.3278,  
0.3523

99.9963, 0.3127,  
0.3290

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

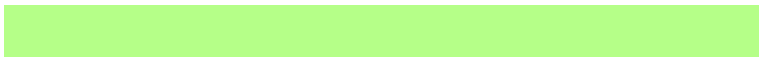
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1308, 0.4546, 0.4180



88.1308, 0.4026, 0.4632



88.1308, 0.3304, 0.4717

# Triad

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



88.1308, 0.4026, 0.4632



88.1308, 0.1789, 0.2661



88.1308, 0.3585, 0.2557

# Complementary

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



88.1308, 0.4026, 0.4632



21.4040, 0.1976, 0.1448

# 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.



88.1308, 0.2789, 0.2224



88.1308, 0.4026, 0.4632



88.1308, 0.1843, 0.2233

# Square

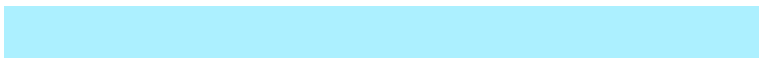
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.1308, 0.4026, 0.4632



88.1308, 0.2033, 0.3395



88.1308, 0.2180, 0.2102



88.1308, 0.4318, 0.3045



# Rectangle

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



88.1308, 0.4026, 0.4632



88.1308, 0.2805, 0.4454



88.1308, 0.2180, 0.2102



88.1308, 0.3311, 0.2426

# Sweetspot

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



88.1292, 0.4026, 0.4632



95.6779, 0.3403, 0.3715



31.9293, 0.4901, 0.3199



20.3434, 0.3450, 0.3785



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.



88.1292, 0.4026, 0.4632



86.5424, 0.4153, 0.4804



83.2571, 0.3519, 0.4961



20.8968, 0.3271, 0.3511



43.7517, 0.4300, 0.4968



4.3134, 0.4287, 0.4978



# Inverse Universe

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



21.4040, 0.1976, 0.1448



14.6394, 0.1762, 0.1088



25.0712, 0.2416, 0.1553



17.5491, 0.2978, 0.3059



4.0177, 0.1510, 0.0635

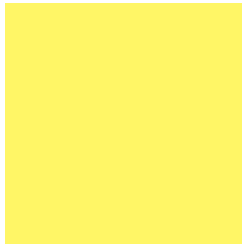


0.4487, 0.1533, 0.0717



# Previews

## White Background



This preview shows how the Yxy color 88.1308, 0.4026, 0.4632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

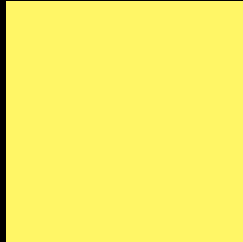
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.1308, 0.4026, 0.4632 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 88.1308, 0.4026, 0.4632**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.1308, 0.4026, 0.4632.



This preview shows how white text looks on a background with the Yxy color 88.1308, 0.4026, 0.4632.

# 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

88.1308, 0.4026, 0.4632

### Protanopia

87.8014, 0.3559, 0.3821

### Deuteranopia

88.1603, 0.3355, 0.3479



## Tritanopia

87.8435, 0.3198, 0.3203

# Trichromacy



## Original Color

88.1308, 0.4026, 0.4632



## Protanomaly

87.7955, 0.3747, 0.4145



## Deuteranomaly

87.9386, 0.3626, 0.3940



## Tritanomaly

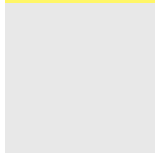
87.4304, 0.3529, 0.3761

# Monochromacy



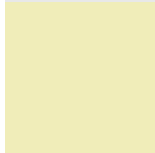
## Original Color

88.1308, 0.4026, 0.4632



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.5964, 0.3480, 0.3833

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.1308, 0.4026, 0.4632 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, 246, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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, 246, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 88.1308, 0.4026, 0.4632 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, 246, 102) }
```

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

```
.border{ border-color:rgb(255, 246, 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, 246, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.1308, 0.4026, 0.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 102) }
```

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

```
.background{ background-color: rgb(255,  
246, 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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