

Converting Colors

Yxy(88.5248, 0.4022, 0.4636)

Have a look what the booklet for
Yxy(88.5248, 0.4022, 0.4636)
contains.

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Color

Yxy(88.7408, 0.4020, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	FFF766
RGB	255, 247, 102
RGB Percent	100%, 97%, 40%
CMY	0.0000, 0.0313, 0.5999
CMYK	0.00, 0.03, 0.60, 0.00
HSL	57°, 100%, 70%
HSV	57°, 60%, 100%
XYZ	76.8998, 88.7408, 25.6524
YIQ	232.8620, 51.3130, -43.3990

Conversions

Conversions Part 2

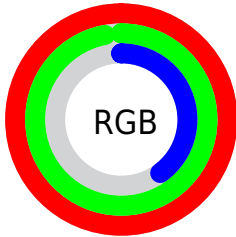
Format	Color
R _Y B	110, 255, 102
Decimal	16775014
CIE Lab	95.47, -14.58, 68.67
CIE LCh	95, 70.199, 101.984
Yxy	88.7408, 0.4020, 0.4639
Android (android.graphics.Color)	4294965094 (0xFFFFFFFF766)
YUV	232.8620, -64.5150, 19.4150
Hunter-Lab	94.2023, -19.1400, 49.7963

Details

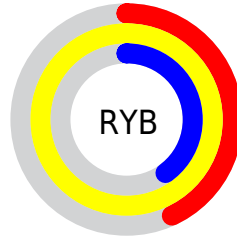
The Yxy color **88.7408, 0.4020, 0.4639** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **21.2028, 0.1974, 0.1438**, and the grayscale version is **81.8465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **49.0456, 0.4147, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **87.5022, 0.4126, 0.4788**, and if you desaturate by 10%, it is **90.1490, 0.3891, 0.4453**.

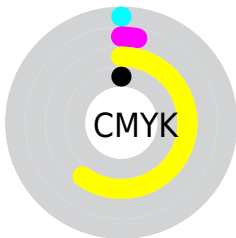
Distribution



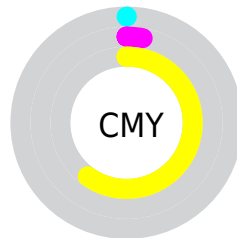
- Red (100%)
- Green (97%)
- Blue (40%)



- Red (43%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (3%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7408, 0.4020, 0.4639 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 88.7408, 0.4020, 0.4639 by changing the saturation by 10% instead.

 88.7408, 0.4020,
0.4639

 88.7408, 0.4020,
0.4639


523.9262, 0.3664,
0.4056

 66.9367, 0.4083,
0.4756


 145.5881, 0.3911,
0.4449


 49.0332, 0.4151,
0.4890


 181.4001, 0.3864,
0.4371

 34.6458, 0.4222,
0.5044


 222.6502, 0.3822,
0.4303

 23.3902, 0.4289,
0.5218

 269.7228, 0.3784,
0.4242

 14.8819, 0.4341,
0.5412

323.0023, 0.3749,
0.4188

 8.7365, 0.4367,
0.5633

382.8731, 0.3718,

 4.5697, 0.4241,

0.4139

449.7196, 0.3690,
0.4095

0.5759

1.9971, 0.4033,
0.5967

0.6058, 0.2664,
0.7336

88.7408, 0.4020,
0.4639

88.7408, 0.4020,
0.4639

87.5022, 0.4126,
0.4788

90.1490, 0.3891,
0.4453

86.4061, 0.4207,
0.4893


91.7274, 0.3747,
0.4239


85.4389, 0.4260,
0.4954

93.4917, 0.3592,
0.4007

84.5719, 0.4289,
0.4976

95.4524, 0.3434,
0.3766

 84.5709, 0.4289,
0.4976

 97.6194, 0.3278,
0.3524

99.9997, 0.3127,
0.3290

Harmonies

Analogous

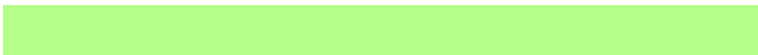
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7408, 0.4545, 0.4188



88.7408, 0.4020, 0.4639



88.7408, 0.3295, 0.4719

Triad

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



88.7408, 0.4020, 0.4639



88.7408, 0.1785, 0.2652



88.7408, 0.3596, 0.2561

Complementary

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



88.7408, 0.4020, 0.4639



21.2028, 0.1974, 0.1438

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.



88.7408, 0.2797, 0.2224



88.7408, 0.4020, 0.4639



88.7408, 0.1842, 0.2227

Square

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



88.7408, 0.4020, 0.4639



88.7408, 0.2026, 0.3385



88.7408, 0.2183, 0.2100



88.7408, 0.4328, 0.3050

Rectangle

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



88.7408, 0.4020, 0.4639



88.7408, 0.2795, 0.4450



88.7408, 0.2183, 0.2100



88.7408, 0.3321, 0.2428

Sweetspot

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



88.7449, 0.4020, 0.4639



95.8678, 0.3403, 0.3717



31.9431, 0.4900, 0.3199



20.3905, 0.3449, 0.3788



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.



88.7449, 0.4020, 0.4639



87.2716, 0.4145, 0.4812



83.2610, 0.3519, 0.4960



20.9184, 0.3270, 0.3513



44.2614, 0.4288, 0.4978



4.3574, 0.4276, 0.4987

Inverse Universe

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



21.2028, 0.1974, 0.1438



14.4586, 0.1760, 0.1077



25.0879, 0.2416, 0.1553



17.5299, 0.2978, 0.3057



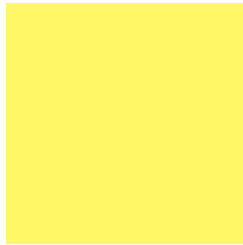
3.9895, 0.1509, 0.0631



0.4396, 0.1529, 0.0704

Previews

White Background



This preview shows how the Yxy color 88.7408, 0.4020, 0.4639 looks on a white background.

Color Contrast Check

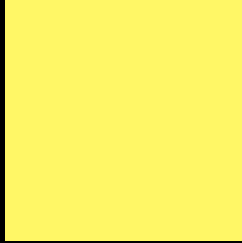
Large Text (above 18pt) WCAG AA × Fail

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 88.7408, 0.4020, 0.4639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

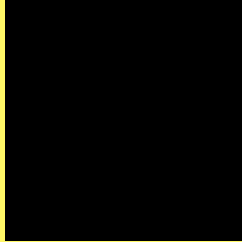
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7408, 0.4020, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 88.7408, 0.4020, 0.4639.

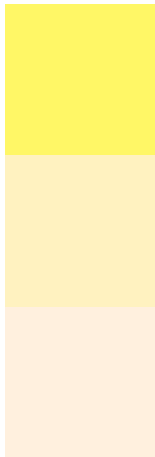


This preview shows how white text looks on a background with the Yxy color 88.7408, 0.4020, 0.4639.

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

88.7408, 0.4020, 0.4639

Protanopia

88.5700, 0.3531, 0.3790

Deuteranopia

88.8541, 0.3341, 0.3468



Tritanopia

88.4822, 0.3191, 0.3203

Trichromacy



Original Color

88.7408, 0.4020, 0.4639



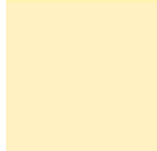
Protanomaly

88.4646, 0.3732, 0.4134



Deuteranomaly

88.5755, 0.3617, 0.3940



Tritanomaly

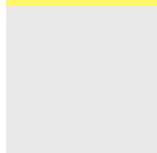
88.0656, 0.3520, 0.3760

Monochromacy



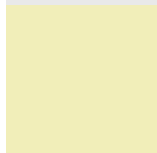
Original Color

88.7408, 0.4020, 0.4639



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.3526, 0.3485, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7408, 0.4020, 0.4639 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, 247, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 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, 247, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 102) }
```

Border

The CSS property to change the border of an element to Yxy 88.7408, 0.4020, 0.4639 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, 247, 102) }
```

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

```
.border{ border-color:rgb(255, 247, 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, 247, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7408, 0.4020, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 102) }
```

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

```
.background{ background-color: rgb(255,  
247, 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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