

Converting Colors

$Y_{xy}(90.4649, 0.4005, 0.4660)$

Have a look what the booklet for
Yxy(90.4649, 0.4005, 0.4660)
contains.

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Color

Yxy(90.5905, 0.4004, 0.4661)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA66
RGB	255, 250, 102
RGB Percent	100%, 98%, 40%
CMY	0.0000, 0.0196, 0.6001
CMYK	0.00, 0.02, 0.60, 0.00
HSL	58°, 100%, 70%
HSV	58°, 60%, 100%
XYZ	77.8211, 90.5905, 25.9469
YIQ	234.6230, 50.4880, -44.9680

Conversions

Conversions Part 2

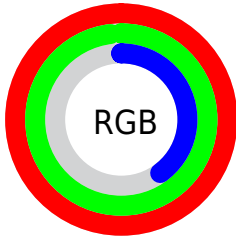
Format	Color
RYB	107, 255, 102
Decimal	16775782
CIELab	96.24, -16.04, 69.52
CIELCh	96, 71.350, 102.990
Yxy	90.5905, 0.4004, 0.4661
Android (android.graphics.Color)	4294965862 (0xFFFFFA66)
YUV	234.6230, -65.3831, 17.8706
Hunter-Lab	95.1790, -20.6165, 50.4622

Details

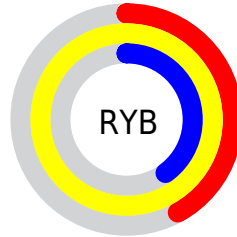
The Yxy color **90.5905, 0.4004, 0.4661** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.5499, 0.1966, 0.1404**, and the grayscale version is **83.2540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **50.3601, 0.4125, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **89.6492, 0.4105, 0.4811**, and if you desaturate by 10%, it is **91.6980, 0.3880, 0.4473**.

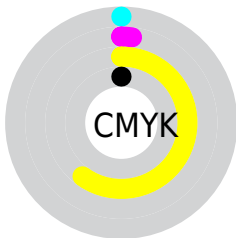
Distribution



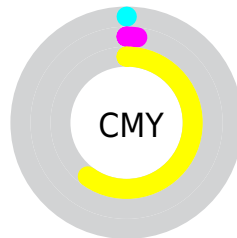
- Red (100%)
- Green (98%)
- Blue (40%)



- Red (42%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5905, 0.4004, 0.4661 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 90.5905, 0.4004, 0.4661 by changing the saturation by 10% instead.

 90.5905, 0.4004,
0.4661


 90.5905, 0.4004,
0.4661


529.9499, 0.3658,
0.4069

 68.4705, 0.4065,
0.4780


 148.1584, 0.3898,
0.4468

 50.2806, 0.4130,
0.4916

 184.3750, 0.3853,
0.4389

 35.6364, 0.4196,
0.5073


 226.0593, 0.3812,
0.4320

 24.1535, 0.4258,
0.5250

 273.5957, 0.3775,
0.4258

 15.4475, 0.4302,
0.5446

327.3686, 0.3741,
0.4203

 9.1341, 0.4323,
0.5677


387.7623, 0.3711,


 4.8287, 0.4189,


0.4153


0.5811


455.1612, 0.3683,
0.4109


 2.1471, 0.3968,
0.6032


 0.6909, 0.2774,
0.7226


 90.5905, 0.4004,
0.4661


 90.5905, 0.4004,
0.4661


 89.6492, 0.4105,
0.4811

 91.6980, 0.3880,
0.4473


 88.8468, 0.4180,
0.4918


 92.9720, 0.3740,
0.4256

 88.1697, 0.4227,
0.4981

 94.4282, 0.3589,
0.4020

 87.5896, 0.4252,
0.5006

 96.0774, 0.3433,
0.3775

 97.9291, 0.3278,
0.3530

99.9925, 0.3127,
0.3290

99.9988, 0.3127,
0.3290

Harmonies

Analogous

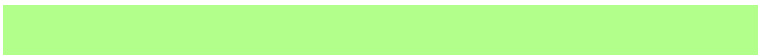
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5905, 0.4544, 0.4212



90.5905, 0.4004, 0.4661



90.5905, 0.3269, 0.4727

Triad

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



90.5905, 0.4004, 0.4661



90.5905, 0.1772, 0.2626



90.5905, 0.3627, 0.2569

Complementary

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



90.5905, 0.4004, 0.4661



20.5499, 0.1966, 0.1404

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.



90.5905, 0.2818, 0.2224



90.5905, 0.4004, 0.4661



90.5905, 0.1839, 0.2209

Square

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



90.5905, 0.4004, 0.4661



90.5905, 0.2003, 0.3356



90.5905, 0.2192, 0.2091



90.5905, 0.4359, 0.3066

Rectangle

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



90.5905, 0.4004, 0.4661



90.5905, 0.2767, 0.4442



90.5905, 0.2192, 0.2091



90.5905, 0.3350, 0.2434

Sweetspot

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



90.5947, 0.4004, 0.4661



96.4382, 0.3401, 0.3726



31.8198, 0.4965, 0.3248



20.5321, 0.3447, 0.3798



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.



90.5947, 0.4004, 0.4661



89.4836, 0.4122, 0.4836



82.6140, 0.3485, 0.4980



20.9832, 0.3270, 0.3517



45.8153, 0.4251, 0.5007



4.4915, 0.4244, 0.5012

Inverse Universe

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



20.5499, 0.1966, 0.1404



13.9359, 0.1752, 0.1045



25.6455, 0.2458, 0.1571



17.4725, 0.2978, 0.3052



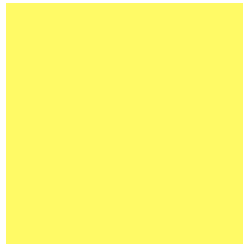
3.9078, 0.1506, 0.0619



0.4124, 0.1518, 0.0666

Previews

White Background



This preview shows how the Yxy color 90.5905, 0.4004, 0.4661 looks on a white background.

Color Contrast Check

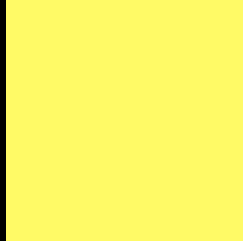
Large Text (above 18pt) WCAG AA × Fail

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 90.5905, 0.4004, 0.4661 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 90.5905, 0.4004, 0.4661

Background



This preview shows how black text looks on a background with the Yxy color 90.5905, 0.4004, 0.4661.

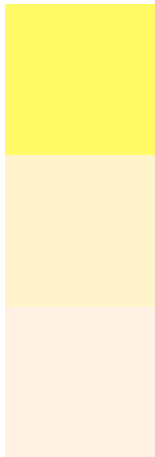


This preview shows how white text looks on a background with the Yxy color 90.5905, 0.4004, 0.4661.

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

90.5905, 0.4004, 0.4661

Protanopia

90.3210, 0.3450, 0.3688

Deuteranopia

90.3657, 0.3300, 0.3428



Tritanopia

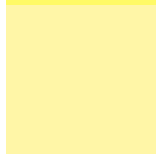
90.3575, 0.3177, 0.3213

Trichromacy



Original Color

90.5905, 0.4004, 0.4661



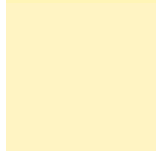
Protanomaly

89.9616, 0.3677, 0.4075



Deuteranomaly

89.9422, 0.3587, 0.3918



Tritanomaly

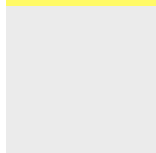
89.9015, 0.3507, 0.3779

Monochromacy



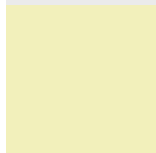
Original Color

90.5905, 0.4004, 0.4661



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7853, 0.3475, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5905, 0.4004, 0.4661 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, 250, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 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, 250, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 102) }
```

Border

The CSS property to change the border of an element to Yxy 90.5905, 0.4004, 0.4661 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, 250, 102) }
```

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

```
.border{ border-color:rgb(255, 250, 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, 250, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5905, 0.4004, 0.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 102) }
```

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

```
.background{ background-color: rgb(255,  
250, 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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