

Converting Colors

Yxy(90.4858, 0.4013, 0.4674)

Have a look what the booklet for
Yxy(90.4858, 0.4013, 0.4674)
contains.

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Color

Yxy(90.5513, 0.4012, 0.4674)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA64
RGB	255, 250, 100
RGB Percent	100%, 98%, 39%
CMY	0.0000, 0.0196, 0.6075
CMYK	0.00, 0.02, 0.61, 0.00
HSL	58°, 100%, 70%
HSV	58°, 61%, 100%
XYZ	77.7261, 90.5513, 25.4567
YIQ	234.3950, 51.1300, -45.5900

Conversions

Conversions Part 2

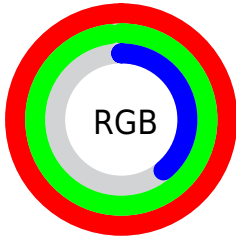
Format	Color
RYB	105, 255, 100
Decimal	16775780
CIELab	96.22, -16.16, 70.28
CIELCh	96, 72.116, 102.948
Yxy	90.5513, 0.4012, 0.4674
Android (android.graphics.Color)	4294965860 (0xFFFFFA64)
YUV	234.3950, -66.2567, 18.0706
Hunter-Lab	95.1584, -20.7272, 50.7497

Details

The Yxy color **90.5513, 0.4012, 0.4674** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.0485, 0.1951, 0.1379**, and the grayscale version is **83.0849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **50.3389, 0.4135, 0.4934** is the 20% darker color. If you saturate the color by 10%, you get **89.6275, 0.4111, 0.4821**, and if you desaturate by 10%, it is **91.6402, 0.3890, 0.4489**.

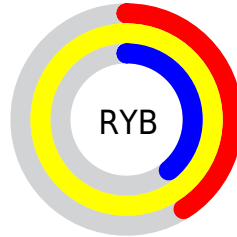
Distribution



Red (100%)

Green (98%)

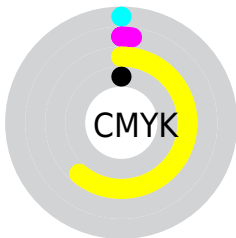
Blue (39%)



Red (41%)

Yellow (100%)

Blue (39%)

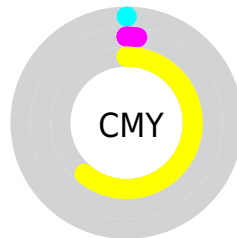


Cyan (0%)

Magenta (2%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5513, 0.4012, 0.4674 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 90.5513, 0.4012, 0.4674 by changing the saturation by 10% instead.


 90.5513, 0.4012,
0.4674


 90.5513, 0.4012,
0.4674


529.8226, 0.3664,
0.4077


 68.4380, 0.4073,
0.4793


 148.1039, 0.3906,
0.4480


 50.2541, 0.4137,
0.4930


 184.3120, 0.3860,
0.4400

 35.6154, 0.4203,
0.5087


 225.9872, 0.3819,
0.4330

 24.1373, 0.4263,
0.5263

 273.5138, 0.3782,
0.4268

 15.4355, 0.4307,
0.5460

327.2763, 0.3748,
0.4212

 9.1256, 0.4319,
0.5681

387.6589, 0.3717,

 4.8232, 0.4183,

0.4163

0.5817

455.0462, 0.3689,
0.4118

■ 2.1439, 0.3961,
0.6039

■ 0.6891, 0.2743,
0.7257

■ 90.5513, 0.4012,
0.4674

■ 90.5513, 0.4012,
0.4674

■ 89.6275, 0.4111,
0.4821

■ 91.6402, 0.3890,
0.4489

■ 88.8413, 0.4184,
0.4925

■ 92.8946, 0.3751,
0.4274

■ 88.1789, 0.4229,
0.4984

■ 94.3305, 0.3600,
0.4039

■ 87.6503, 0.4251,
0.5006

■ 95.9584, 0.3444,
0.3794

97.7881, 0.3289,
0.3548

99.8288, 0.3138,
0.3308

99.9981, 0.3127,
0.3290

Harmonies

Analogous

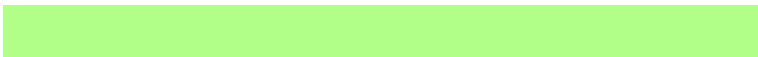
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5513, 0.4558, 0.4218



90.5513, 0.4012, 0.4674



90.5513, 0.3270, 0.4744

Triad

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



90.5513, 0.4012, 0.4674



90.5513, 0.1760, 0.2619



90.5513, 0.3631, 0.2562

Complementary

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



90.5513, 0.4012, 0.4674



20.0485, 0.1951, 0.1379

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.



90.5513, 0.2814, 0.2214



90.5513, 0.4012, 0.4674



90.5513, 0.1828, 0.2199

Square

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



90.5513, 0.4012, 0.4674



90.5513, 0.1992, 0.3357



90.5513, 0.2182, 0.2080



90.5513, 0.4372, 0.3062

Rectangle

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



90.5513, 0.4012, 0.4674



90.5513, 0.2763, 0.4457



90.5513, 0.2182, 0.2080



90.5513, 0.3351, 0.2425

Sweetspot

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



90.5555, 0.4012, 0.4674



96.4501, 0.3401, 0.3726



31.4122, 0.5000, 0.3248



20.5351, 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.



90.5555, 0.4012, 0.4674



89.4470, 0.4130, 0.4848



82.4654, 0.3487, 0.5000



20.9846, 0.3270, 0.3517



45.8480, 0.4250, 0.5007



4.4943, 0.4243, 0.5013

Inverse Universe

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



20.0485, 0.1951, 0.1379



13.4898, 0.1736, 0.1018



25.1612, 0.2448, 0.1551



17.4713, 0.2978, 0.3052



3.9061, 0.1505, 0.0619



0.4118, 0.1518, 0.0665

Previews

White Background



This preview shows how the Yxy color 90.5513, 0.4012, 0.4674 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 90.5513, 0.4012, 0.4674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

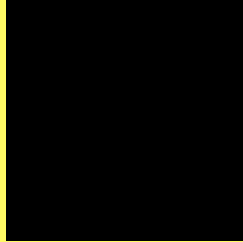
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.5513, 0.4012, 0.4674

Background



This preview shows how black text looks on a background with the Yxy color 90.5513, 0.4012, 0.4674.



This preview shows how white text looks on a background with the Yxy color 90.5513, 0.4012, 0.4674.

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

90.5513, 0.4012, 0.4674

Protanopia

90.3210, 0.3450, 0.3688

Deuteranopia

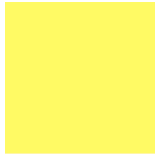
90.3657, 0.3300, 0.3428



Tritanopia

90.3575, 0.3177, 0.3213

Trichromacy



Original Color

90.5513, 0.4012, 0.4674



Protanomaly

89.9247, 0.3683, 0.4084



Deuteranomaly

89.9010, 0.3593, 0.3928



Tritanomaly

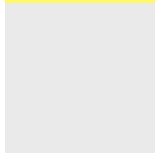
89.8564, 0.3513, 0.3789

Monochromacy



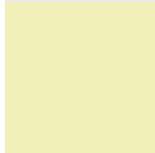
Original Color

90.5513, 0.4012, 0.4674



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.7002, 0.3488, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5513, 0.4012, 0.4674 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 100) }
```

Border

The CSS property to change the border of an element to Yxy 90.5513, 0.4012, 0.4674 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, 100) }
```

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

```
.border{ border-color:rgb(255, 250, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5513, 0.4012, 0.4674 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
250, 100) }
```

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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