

Converting Colors

$Y_{xy}(100.0000, 0.4249, 0.4415)$

Have a look what the booklet for
Yxy(100.0000, 0.4249, 0.4415)
contains.

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Color

Yxy(90.8461, 0.3950, 0.4574)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA72
RGB	255, 250, 114
RGB Percent	100%, 98%, 45%
CMY	0.0001, 0.0195, 0.5530
CMYK	0.00, 0.02, 0.55, 0.00
HSL	58°, 100%, 72%
HSV	58°, 55%, 100%
XYZ	78.4526, 90.8461, 29.3154
YIQ	235.9910, 46.6360, -41.2360

Conversions

Conversions Part 2

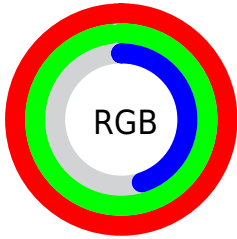
Format	Color
R_{YB}	119, 255, 114
Decimal	16775794
CIE _{Lab}	96.35, -15.23, 64.56
CIE _{LCh}	96, 66.329, 103.275
Yxy	90.8461, 0.3950, 0.4574
Android (android.graphics.Color)	4294965874 (0xFFFFFA72)
YUV	235.9910, -60.1416, 16.6709
Hunter-Lab	95.3132, -19.8743, 48.4835

Details

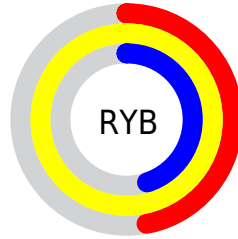
The Yxy color **90.8461, 0.3950, 0.4574** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.9728, 0.2062, 0.1566**, and the grayscale version is **84.3143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **50.6248, 0.4080, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **89.7937, 0.4063, 0.4743**, and if you desaturate by 10%, it is **92.0713, 0.3817, 0.4372**.

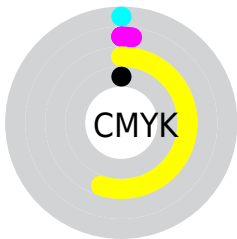
Distribution



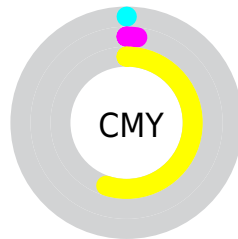
- Red (100%)
- Green (98%)
- Blue (45%)



- Red (47%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (2%)
- Yellow (55%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8461, 0.3950, 0.4574 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 90.8461, 0.3950, 0.4574 by changing the saturation by 10% instead.


 90.8461, 0.3950,
0.4574


 90.8461, 0.3950,
0.4574

530.7794, 0.3619,
0.4015

 68.6826, 0.4010,
0.4688


 148.5131, 0.3847,
0.4390

 50.4533, 0.4076,
0.4821


 184.7854, 0.3804,
0.4315

 35.7737, 0.4146,
0.4976


 226.5294, 0.3765,
0.4250

 24.2595, 0.4216,
0.5154

274.1296, 0.3730,
0.4192

 15.5262, 0.4273,
0.5355

327.9703, 0.3698,
0.4140

 9.1895, 0.4352,
0.5648

388.4359, 0.3669,

 4.8650, 0.4226,

0.4094

0.5774

455.9108, 0.3643,
0.4052

■ 2.1683, 0.4018,
0.5982

■ 0.7026, 0.2964,
0.7036

■ 90.8461, 0.3950,
0.4574

■ 90.8461, 0.3950,
0.4574

■ 89.7937, 0.4063,
0.4743

■ 92.0713, 0.3817,
0.4372

■ 88.8877, 0.4151,
0.4870


■ 93.4689, 0.3670,
0.4145


■ 88.1162, 0.4212,
0.4953

■ 95.0543, 0.3516,
0.3904

■ 87.4592, 0.4247,
0.4993

■ 96.8375, 0.3359,
0.3658

 87.1761, 0.4257,
0.5002

 98.8279, 0.3206,
0.3415

99.9932, 0.3127,
0.3290

Harmonies

Analogous

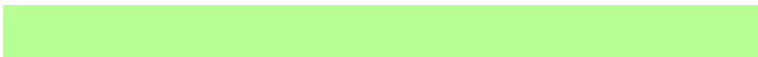
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8461, 0.4451, 0.4170



90.8461, 0.3950, 0.4574



90.8461, 0.3262, 0.4613

Triad

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



90.8461, 0.3950, 0.4574



90.8461, 0.1853, 0.2672



90.8461, 0.3602, 0.2618

Complementary

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



90.8461, 0.3950, 0.4574



23.9728, 0.2062, 0.1566

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.



90.8461, 0.2849, 0.2290



90.8461, 0.3950, 0.4574



90.8461, 0.1918, 0.2277

Square

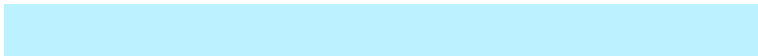
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.8461, 0.3950, 0.4574



90.8461, 0.2073, 0.3350



90.8461, 0.2256, 0.2163



90.8461, 0.4277, 0.3091

Rectangle

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



90.8461, 0.3950, 0.4574



90.8461, 0.2791, 0.4344



90.8461, 0.2256, 0.2163



90.8461, 0.3345, 0.2489

Sweetspot

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



90.8503, 0.3950, 0.4574



96.5492, 0.3386, 0.3700



34.6669, 0.4717, 0.3225



20.5868, 0.3417, 0.3749



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

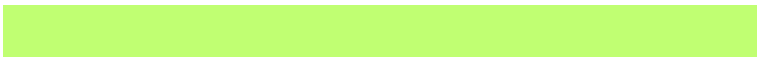
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8503, 0.3950, 0.4574



89.7534, 0.4070, 0.4753



83.8565, 0.3488, 0.4842



20.9749, 0.3270, 0.3517



45.6145, 0.4256, 0.5003



4.4742, 0.4248, 0.5009

Inverse Universe

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



23.9728, 0.2062, 0.1566



16.9914, 0.1854, 0.1219



28.6474, 0.2505, 0.1697



17.4798, 0.2978, 0.3053



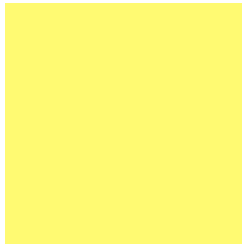
3.9183, 0.1506, 0.0621



0.4159, 0.1520, 0.0671

Previews

White Background



This preview shows how the Yxy color 90.8461, 0.3950, 0.4574 looks on a white background.

Color Contrast Check

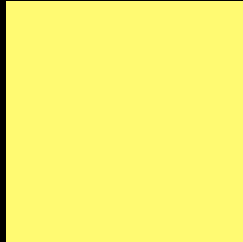
Large Text (above 18pt) WCAG AA × Fail

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 90.8461, 0.3950, 0.4574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

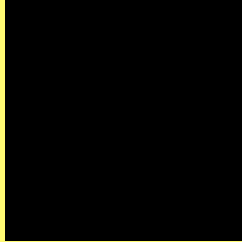
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.8461, 0.3950, 0.4574

Background



This preview shows how black text looks on a background with the Yxy color 90.8461, 0.3950, 0.4574.



This preview shows how white text looks on a background with the Yxy color 90.8461, 0.3950, 0.4574.

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

90.8461, 0.3950, 0.4574

Protanopia

90.4176, 0.3437, 0.3668

Deuteranopia

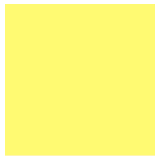
90.4214, 0.3294, 0.3418



Tritanopia

90.9479, 0.3176, 0.3223

Trichromacy



Original Color

90.8461, 0.3950, 0.4574



Protanomaly

90.1887, 0.3640, 0.4016



Deuteranomaly

90.1527, 0.3555, 0.3868



Tritanomaly

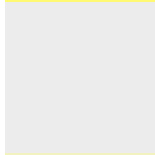
90.0849, 0.3482, 0.3738

Monochromacy



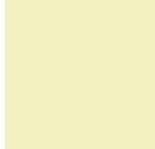
Original Color

90.8461, 0.3950, 0.4574



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7711, 0.3448, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8461, 0.3950, 0.4574 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 114) }
```

Border

The CSS property to change the border of an element to Yxy 90.8461, 0.3950, 0.4574 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, 114) }
```

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

```
.border{ border-color:rgb(255, 250, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8461, 0.3950, 0.4574 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, 114) }
```

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

```
.background{ background-color: rgb(255,  
250, 114) }
```

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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