

Converting Colors

$Yxy(90.4461, 0.3970, 0.4598)$

Have a look what the booklet for
Yxy(90.4461, 0.3970, 0.4598)
contains.

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Color

Yxy(90.7570, 0.3969, 0.4604)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA6E
RGB	255, 250, 110
RGB Percent	100%, 98%, 43%
CMY	0.0000, 0.0196, 0.5688
CMYK	0.00, 0.02, 0.57, 0.00
HSL	58°, 100%, 72%
HSV	58°, 57%, 100%
XYZ	78.2395, 90.7570, 28.1299
YIQ	235.5350, 47.9200, -42.4800

Conversions

Conversions Part 2

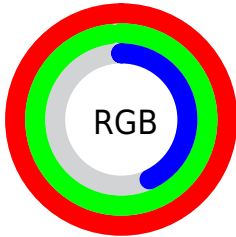
Format	Color
R _Y B	115, 255, 110
Decimal	16775790
CIE Lab	96.31, -15.50, 66.26
CIE LCh	96, 68.047, 103.165
Yxy	90.7570, 0.3969, 0.4604
Android (android.graphics.Color)	4294965870 (0xFFFFFA6E)
YUV	235.5350, -61.8888, 17.0708
Hunter-Lab	95.2665, -20.1197, 49.1796

Details

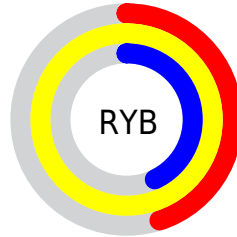
The Yxy color **90.7570, 0.3969, 0.4604** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.7796, 0.2029, 0.1511**, and the grayscale version is **83.9590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **50.4520, 0.4087, 0.4856** is the 20% darker color. If you saturate the color by 10%, you get **89.7382, 0.4078, 0.4767**, and if you desaturate by 10%, it is **91.9441, 0.3839, 0.4406**.

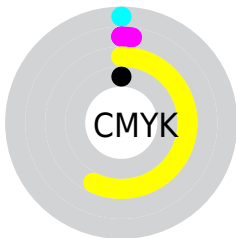
Distribution



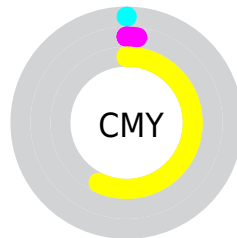
- Red (100%)
- Green (98%)
- Blue (43%)



- Red (45%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (2%)
- Yellow (57%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7570, 0.3969, 0.4604 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 90.7570, 0.3969, 0.4604 by changing the saturation by 10% instead.


 90.7570, 0.3969,
0.4604

 90.7570, 0.3969,
0.4604

530.4903, 0.3633,
0.4033


 68.6087, 0.4029,
0.4720


 148.3895, 0.3865,
0.4417

 50.3931, 0.4095,
0.4854


 184.6424, 0.3821,
0.4341

 35.7258, 0.4164,
0.5009


 226.3656, 0.3781,
0.4274

 24.2225, 0.4231,
0.5188

273.9435, 0.3745,
0.4214

 15.4988, 0.4284,
0.5386

327.7606, 0.3713,
0.4162

 9.1702, 0.4343,
0.5657


388.2011, 0.3684,


 4.8523, 0.4214,


0.4114


0.5786

455.6495, 0.3657,
0.4072


 2.1609, 0.4002,
0.5998


 0.6985, 0.2902,
0.7098


 90.7570, 0.3969,
0.4604


 90.7570, 0.3969,
0.4604


 89.7382, 0.4078,
0.4767

 91.9441, 0.3839,
0.4406


 88.8645, 0.4162,
0.4887


 93.3030, 0.3694,
0.4183


 88.1224, 0.4218,
0.4963

 94.8478, 0.3541,
0.3943

 87.4907, 0.4249,
0.4997

 96.5889, 0.3384,
0.3697

 87.3066, 0.4256,
0.5003

 98.5357, 0.3230,
0.3454

100.0000, 0.3127,
0.3290

Harmonies

Analogous

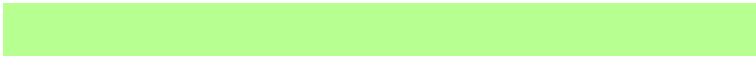
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7570, 0.4483, 0.4185



90.7570, 0.3969, 0.4604



90.7570, 0.3265, 0.4652

Triad

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



90.7570, 0.3969, 0.4604



90.7570, 0.1825, 0.2656



90.7570, 0.3611, 0.2601

Complementary

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



90.7570, 0.3969, 0.4604



22.7796, 0.2029, 0.1511

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.



90.7570, 0.2838, 0.2267



90.7570, 0.3969, 0.4604



90.7570, 0.1891, 0.2253

Square

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



90.7570, 0.3969, 0.4604



90.7570, 0.2049, 0.3352



90.7570, 0.2234, 0.2138



90.7570, 0.4305, 0.3082

Rectangle

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



90.7570, 0.3969, 0.4604



90.7570, 0.2783, 0.4378



90.7570, 0.2234, 0.2138



90.7570, 0.3347, 0.2470

Sweetspot

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



90.7600, 0.3969, 0.4604



96.5674, 0.3386, 0.3700



33.6896, 0.4789, 0.3225



20.5912, 0.3417, 0.3750



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.



90.7600, 0.3969, 0.4604



89.6336, 0.4089, 0.4782



83.5566, 0.3493, 0.4886



20.9771, 0.3270, 0.3517



45.6673, 0.4254, 0.5004



4.4787, 0.4247, 0.5010

Inverse Universe

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



22.7796, 0.2029, 0.1511



15.9049, 0.1818, 0.1159



27.5001, 0.2482, 0.1651



17.4779, 0.2978, 0.3053



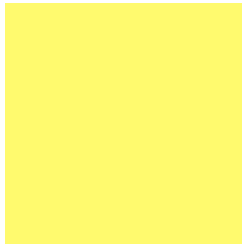
3.9155, 0.1506, 0.0620



0.4150, 0.1519, 0.0669

Previews

White Background



This preview shows how the Yxy color 90.7570, 0.3969, 0.4604 looks on a white background.

Color Contrast Check

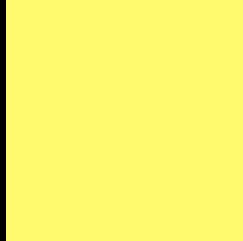
Large Text (above 18pt) WCAG AA × Fail

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 90.7570, 0.3969, 0.4604 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 90.7570, 0.3969, 0.4604

Background



This preview shows how black text looks on a background with the Yxy color 90.7570, 0.3969, 0.4604.

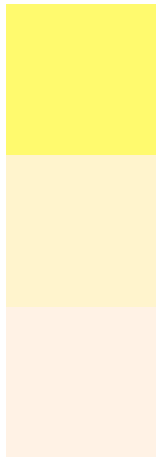


This preview shows how white text looks on a background with the Yxy color 90.7570, 0.3969, 0.4604.

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

90.7570, 0.3969, 0.4604

Protanopia

90.3691, 0.3443, 0.3678

Deuteranopia

90.4214, 0.3294, 0.3418



Tritanopia

90.3575, 0.3177, 0.3213

Trichromacy



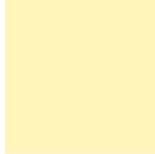
Original Color

90.7570, 0.3969, 0.4604



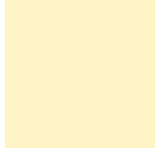
Protanomaly

90.0738, 0.3658, 0.4046



Deuteranomaly

90.1100, 0.3562, 0.3878



Tritanomaly

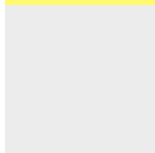
90.0386, 0.3488, 0.3748

Monochromacy



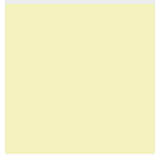
Original Color

90.7570, 0.3969, 0.4604



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.6830, 0.3461, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7570, 0.3969, 0.4604 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 110) }
```

Border

The CSS property to change the border of an element to Yxy 90.7570, 0.3969, 0.4604 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, 110) }
```

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

```
.border{ border-color:rgb(255, 250, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7570, 0.3969, 0.4604 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, 110) }
```

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

```
.background{ background-color: rgb(255,  
250, 110) }
```

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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