

Converting Colors

$Y_{xy}(100.0000, 0.4341, 0.4373)$

Have a look what the booklet for
Yxy(100.0000, 0.4341, 0.4373)
contains.

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Color

Yxy(88.9514, 0.3975, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	FFF770
RGB	255, 247, 112
RGB Percent	100%, 97%, 44%
CMY	0.0000, 0.0314, 0.5607
CMYK	0.00, 0.03, 0.56, 0.00
HSL	57°, 100%, 72%
HSV	57°, 56%, 100%
XYZ	77.4380, 88.9514, 28.4231
YIQ	234.0020, 48.1030, -40.2890

Conversions

Conversions Part 2

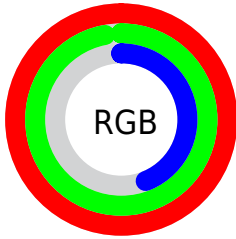
Format	Color
R _Y B	120, 255, 112
Decimal	16775024
CIE Lab	95.56, -13.87, 64.52
CIE LCh	96, 65.999, 102.133
Yxy	88.9514, 0.3975, 0.4566
Android (android.graphics.Color)	4294965104 (0xFFFFF770)
YUV	234.0020, -60.1470, 18.4152
Hunter-Lab	94.3140, -18.4895, 48.1518

Details

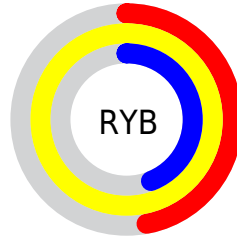
The Yxy color **88.9514, 0.3975, 0.4566** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.1069, 0.2054, 0.1574**, and the grayscale version is **82.7159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **49.2829, 0.4111, 0.4812** is the 20% darker color. If you saturate the color by 10%, you get **87.5874, 0.4091, 0.4730**, and if you desaturate by 10%, it is **90.4752, 0.3838, 0.4369**.

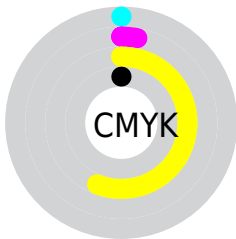
Distribution



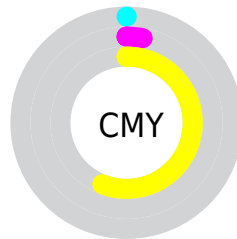
- Red (100%)
- Green (97%)
- Blue (44%)



- Red (47%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (3%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.9514, 0.3975, 0.4566 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 88.9514, 0.3975, 0.4566 by changing the saturation by 10% instead.


 88.9514, 0.3975,
0.4566

 88.9514, 0.3975,
0.4566

524.6139, 0.3632,
0.4010


 67.1113, 0.4038,
0.4679


 145.8810, 0.3868,
0.4383

 49.1751, 0.4107,
0.4810


 181.7392, 0.3823,
0.4309

 34.7584, 0.4181,
0.4963


 223.0390, 0.3782,
0.4244

 23.4768, 0.4254,
0.5138

270.1646, 0.3746,
0.4186

 14.9460, 0.4316,
0.5334

323.5005, 0.3713,
0.4135

 8.7815, 0.4393,
0.5607

383.4311, 0.3683,

 4.5989, 0.4274,

0.4089

0.5726

450.3407, 0.3656,
0.4048

■ 2.0139, 0.4077,
0.5923

■ 0.6155, 0.2859,
0.7141

■ 88.9514, 0.3975,
0.4566

■ 88.9514, 0.3975,
0.4566

■ 87.5874, 0.4091,
0.4730

■ 90.4752, 0.3838,
0.4369

■ 86.3808, 0.4183,
0.4852

■ 92.1826, 0.3688,
0.4147

■ 85.3113, 0.4248,
0.4930

■ 94.0811, 0.3531,
0.3910

■ 84.3587, 0.4286,
0.4964

■ 96.1809, 0.3373,
0.3669

 84.0044, 0.4296,
0.4971

 98.4913, 0.3218,
0.3431

100.0000, 0.3127,
0.3290

Harmonies

Analogous

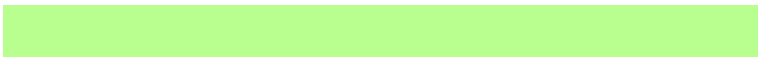
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9514, 0.4467, 0.4152



88.9514, 0.3975, 0.4566



88.9514, 0.3289, 0.4624

Triad

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



88.9514, 0.3975, 0.4566



88.9514, 0.1854, 0.2691



88.9514, 0.3574, 0.2602

Complementary

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



88.9514, 0.3975, 0.4566



24.1069, 0.2054, 0.1574

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.



88.9514, 0.2822, 0.2279



88.9514, 0.3975, 0.4566



88.9514, 0.1908, 0.2285

Square

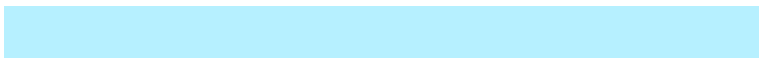
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.9514, 0.3975, 0.4566



88.9514, 0.2085, 0.3380



88.9514, 0.2236, 0.2161



88.9514, 0.4258, 0.3071

Rectangle

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



88.9514, 0.3975, 0.4566



88.9514, 0.2817, 0.4368



88.9514, 0.2236, 0.2161



88.9514, 0.3316, 0.2474

Sweetspot

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



88.9475, 0.3975, 0.4566



95.9766, 0.3387, 0.3692



34.2479, 0.4722, 0.3201



20.4499, 0.3419, 0.3740



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.



88.9475, 0.3975, 0.4566



87.4688, 0.4101, 0.4743



84.0336, 0.3506, 0.4855



20.9061, 0.3271, 0.3512



43.9695, 0.4295, 0.4972



4.3322, 0.4282, 0.4982

Inverse Universe

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



24.1069, 0.2054, 0.1574



17.0671, 0.1845, 0.1225



27.8102, 0.2474, 0.1666



17.5409, 0.2978, 0.3058



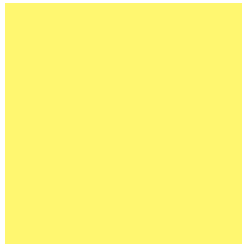
4.0054, 0.1509, 0.0633



0.4448, 0.1531, 0.0712

Previews

White Background



This preview shows how the Yxy color 88.9514, 0.3975, 0.4566 looks on a white background.

Color Contrast Check

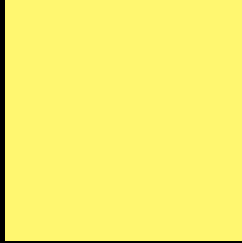
Large Text (above 18pt) WCAG AA × Fail

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 88.9514, 0.3975, 0.4566 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 88.9514, 0.3975, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 88.9514, 0.3975, 0.4566.

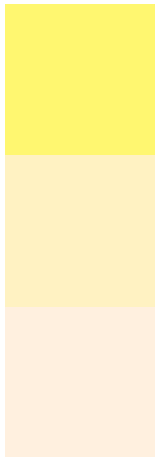


This preview shows how white text looks on a background with the Yxy color 88.9514, 0.3975, 0.4566.

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

88.9514, 0.3975, 0.4566

Protanopia

88.6593, 0.3518, 0.3770

Deuteranopia

88.9079, 0.3334, 0.3458



Tritanopia

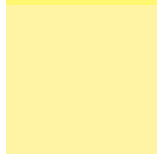
89.0629, 0.3190, 0.3213

Trichromacy



Original Color

88.9514, 0.3975, 0.4566



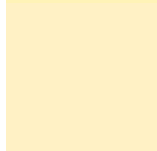
Protanomaly

88.6417, 0.3701, 0.4086



Deuteranomaly

88.7801, 0.3586, 0.3890



Tritanomaly

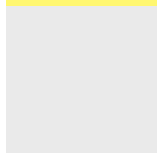
88.2018, 0.3501, 0.3730

Monochromacy



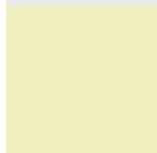
Original Color

88.9514, 0.3975, 0.4566



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.3280, 0.3458, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9514, 0.3975, 0.4566 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 112) }
```

Border

The CSS property to change the border of an element to Yxy 88.9514, 0.3975, 0.4566 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, 112) }
```

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

```
.border{ border-color:rgb(255, 247, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9514, 0.3975, 0.4566 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, 112) }
```

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

```
.background{ background-color: rgb(255,  
247, 112) }
```

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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