

Converting Colors

$Y_{xy}(105.6838, 0.4297, 0.4506)$

Have a look what the booklet for
Yxy(105.6838, 0.4297, 0.4506)
contains.

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Color

Yxy(93.7795, 0.3969, 0.4682)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF68
RGB	255, 255, 104
RGB Percent	100%, 100%, 41%
CMY	0.0000, 0.0000, 0.5920
CMYK	0.00, 0.00, 0.59, 0.00
HSL	60°, 100%, 70%
HSV	60°, 59%, 100%
XYZ	79.4983, 93.7795, 27.0202
YIQ	237.7860, 48.4710, -46.9610

Conversions

Conversions Part 2

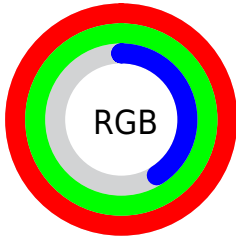
Format	Color
R _Y B	104, 255, 104
Decimal	16777064
CIE Lab	97.54, -18.31, 70.08
CIE LCh	98, 72.435, 104.645
Yxy	93.7795, 0.3969, 0.4682
Android (android.graphics.Color)	4294967144 (0xFFFFFFFF68)
YUV	237.7860, -65.9565, 15.0967
Hunter-Lab	96.8398, -22.9345, 51.2448

Details

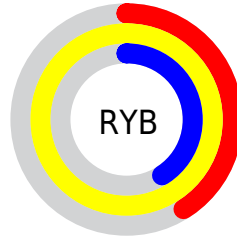
The Yxy color **93.7795, 0.3969, 0.4682** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.0774, 0.1970, 0.1377**, and the grayscale version is **85.8195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **52.1797, 0.4087, 0.4940** is the 20% darker color. If you saturate the color by 10%, you get **93.3360, 0.4063, 0.4838**, and if you desaturate by 10%, it is **94.3782, 0.3852, 0.4488**.

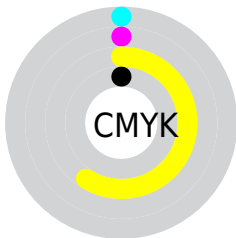
Distribution



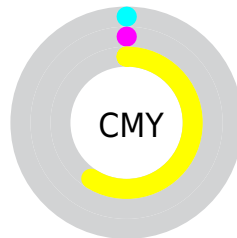
- Red (100%)
- Green (100%)
- Blue (41%)



- Red (41%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.7795, 0.3969, 0.4682 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 93.7795, 0.3969, 0.4682 by changing the saturation by 10% instead.


 93.7795, 0.3969,
0.4682

 93.7795, 0.3969,
0.4682


540.2503, 0.3641,
0.4081

 71.1196, 0.4025,
0.4803


 152.5774, 0.3870,
0.4486


 52.4398, 0.4086,
0.4942

 189.4841, 0.3827,
0.4406

 37.3557, 0.4146,
0.5102


 231.9085, 0.3788,
0.4335

 25.4830, 0.4201,
0.5284

 280.2351, 0.3753,
0.4273

 16.4373, 0.4237,
0.5486

334.8481, 0.3721,
0.4217

 9.8341, 0.4258,
0.5742

396.1321, 0.3692,

 5.2891, 0.4112,

0.4167

0.5888

464.4713, 0.3665,
0.4122

■ 2.4179, 0.3877,
0.6123

■ 0.8351, 0.2933,
0.7067

■ 93.7795, 0.3969,
0.4682

■ 93.7795, 0.3969,
0.4682

■ 93.3360, 0.4063,
0.4838

■ 94.3782, 0.3852,
0.4488

■ 93.0352, 0.4132,
0.4951


■ 95.1471, 0.3717,
0.4265


■ 92.8591, 0.4173,
0.5020

■ 96.0969, 0.3570,
0.4022

■ 92.7816, 0.4192,
0.5051

■ 97.2381, 0.3417,
0.3770

 92.7771, 0.4193,
0.5053

 98.5804, 0.3264,
0.3517

100.0000, 0.3127,
0.3290

Harmonies

Analogous

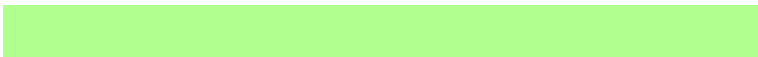
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7795, 0.4527, 0.4244



93.7795, 0.3969, 0.4682



93.7795, 0.3226, 0.4719

Triad

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



93.7795, 0.3969, 0.4682



93.7795, 0.1764, 0.2591



93.7795, 0.3675, 0.2591

Complementary

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



93.7795, 0.3969, 0.4682



20.0774, 0.1970, 0.1377

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.



93.7795, 0.2859, 0.2235



93.7795, 0.3969, 0.4682



93.7795, 0.1848, 0.2192

Square

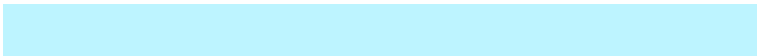
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.7795, 0.3969, 0.4682



93.7795, 0.1978, 0.3309



93.7795, 0.2216, 0.2089



93.7795, 0.4395, 0.3095

Rectangle

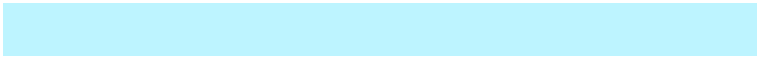
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.7795, 0.3969, 0.4682



93.7795, 0.2726, 0.4412



93.7795, 0.2216, 0.2089



93.7795, 0.3397, 0.2452

Sweetspot

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



93.7788, 0.3969, 0.4682



97.3879, 0.3399, 0.3740



32.1713, 0.4988, 0.3296



20.7681, 0.3444, 0.3813



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.



93.7788, 0.3969, 0.4682



93.2717, 0.4078, 0.4862



82.1669, 0.3451, 0.4977



21.0907, 0.3269, 0.3525



48.4781, 0.4193, 0.5053



4.7202, 0.4193, 0.5053

Inverse Universe

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



20.0774, 0.1970, 0.1377



13.5652, 0.1755, 0.1021



26.7772, 0.2512, 0.1612



17.3779, 0.2978, 0.3044



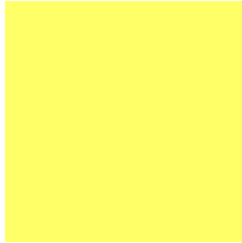
3.7727, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.7795, 0.3969, 0.4682 looks on a white background.

Color Contrast Check

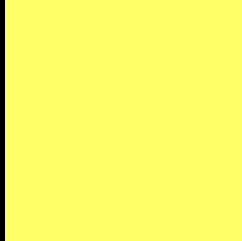
Large Text (above 18pt) WCAG AA × Fail

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 93.7795, 0.3969, 0.4682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

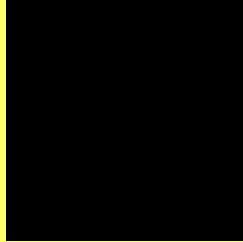
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.7795, 0.3969, 0.4682

Background



This preview shows how black text looks on a background with the Yxy color 93.7795, 0.3969, 0.4682.

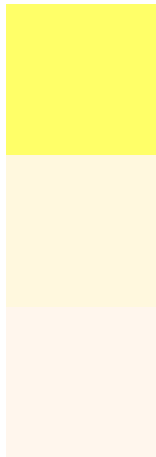


This preview shows how white text looks on a background with the Yxy color 93.7795, 0.3969, 0.4682.

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

93.7795, 0.3969, 0.4682

Protanopia

93.6687, 0.3330, 0.3545

Deuteranopia

93.2860, 0.3240, 0.3378



Tritanopia

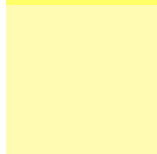
93.5299, 0.3156, 0.3232

Trichromacy



Original Color

93.7795, 0.3969, 0.4682



Protanomaly

93.5090, 0.3590, 0.4002



Deuteranomaly

92.6855, 0.3533, 0.3885



Tritanomaly

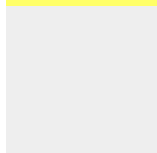
93.0886, 0.3478, 0.3795

Monochromacy



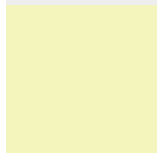
Original Color

93.7795, 0.3969, 0.4682



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.6086, 0.3468, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.7795, 0.3969, 0.4682 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, 255, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 104)  
}
```

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, 255, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 104) }
```

Border

The CSS property to change the border of an element to Yxy 93.7795, 0.3969, 0.4682 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, 255, 104) }
```

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

```
.border{ border-color:rgb(255, 255, 104) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 255, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 93.7795, 0.3969, 0.4682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 104) }
```

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

```
.background{ background-color: rgb(255,  
255, 104) }
```

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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