

Converting Colors

$Y_{xy}(95.1710, 0.3713, 0.4259)$

Have a look what the booklet for
Yxy(95.1710, 0.3713, 0.4259)
contains.

| | |
|--|----|
| Yxy(95.1803, 0.3712, 0.4256) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(95.1803, 0.3712, 0.4256)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFF9C |
| RGB | 255, 255, 156 |
| RGB Percent | 100%, 100%, 61% |
| CMY | 0.0000, 0.0000, 0.3883 |
| CMYK | 0.00, 0.00, 0.39, 0.00 |
| HSL | 60°, 100%, 81% |
| HSV | 60°, 39%, 100% |
| XYZ | 83.0144, 95.1803, 45.4432 |
| YIQ | 243.7140, 31.7790, -30.7890 |

Conversions

Conversions Part 2

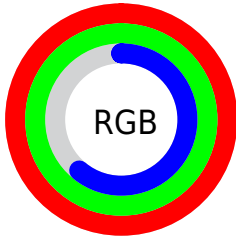
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 156, 255, 156 |
| Decimal | 16777116 |
| CIE Lab | 98.11, -13.89, 47.27 |
| CIE LCh | 98, 49.270, 106.378 |
| Yxy | 95.1803, 0.3712, 0.4256 |
| Android (android.graphics.Color) | 4294967196 (0xFFFFFFFF9C) |
| YUV | 243.7140, -43.2430, 9.8978 |
| Hunter-Lab | 97.5604, -18.8446, 40.6752 |

Details

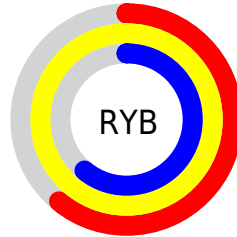
The Yxy color **95.1803, 0.3712, 0.4256** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.0635, 0.2407, 0.2099**, and the grayscale version is **90.5536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **53.2378, 0.3818, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **94.3981, 0.3847, 0.4480**, and if you desaturate by 10%, it is **96.1324, 0.3564, 0.4013**.

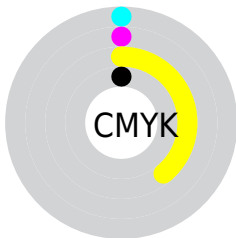
Distribution



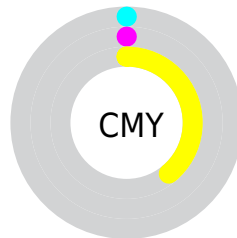
- Red (100%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.1803, 0.3712, 0.4256 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 95.1803, 0.3712, 0.4256 by changing the saturation by 10% instead.


 95.1803, 0.3712,
0.4256


 95.1803, 0.3712,
0.4256


544.7420, 0.3469,
0.3828

 72.2850, 0.3760,
0.4348

 154.5137, 0.3633,
0.4112

 53.3916, 0.3816,
0.4457

 191.7206, 0.3601,
0.4055

 38.1154, 0.3880,
0.4590


234.4668, 0.3573,
0.4005

 26.0723, 0.3953,
0.4753

283.1368, 0.3547,
0.3961

 16.8777, 0.4034,
0.4955

338.1149, 0.3524,
0.3922

 10.1474, 0.4115,
0.5205


399.7856, 0.3504,

 5.4968, 0.4272,


0.3887


0.5643


468.5331, 0.3485,
0.3856


 2.5416, 0.4137,
0.5863


 0.8974, 0.3641,
0.6359


 95.1803, 0.3712,
0.4256


 95.1803, 0.3712,
0.4256


 94.3981, 0.3847,
0.4480


 96.1324, 0.3564,
0.4013

 93.7915, 0.3965,
0.4675

 97.2819, 0.3412,
0.3761

 93.3421, 0.4060,
0.4833

 98.6329, 0.3259,
0.3508

 93.0353, 0.4130,
0.4947

100.0000, 0.3127,
0.3290

■ 92.8539, 0.4172,
0.5018

■ 92.7728, 0.4192,
0.5050

■ 92.7661, 0.4193,
0.5052

Harmonies

Analogous

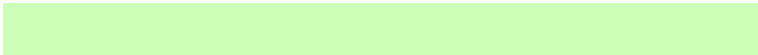
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.1803, 0.4092, 0.4015



95.1803, 0.3712, 0.4256



95.1803, 0.3193, 0.4211

Triad

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



95.1803, 0.3712, 0.4256



95.1803, 0.2153, 0.2808



95.1803, 0.3539, 0.2818

Complementary

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



95.1803, 0.3712, 0.4256



38.0635, 0.2407, 0.2099

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.



95.1803, 0.2985, 0.2545



95.1803, 0.3712, 0.4256



95.1803, 0.2224, 0.2514

Square

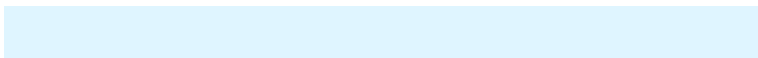
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.1803, 0.3712, 0.4256



95.1803, 0.2310, 0.3292



95.1803, 0.2514, 0.2433



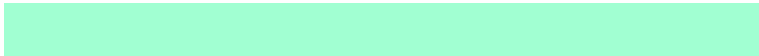
95.1803, 0.4004, 0.3199

Rectangle

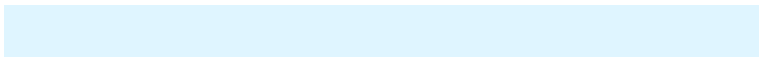
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.1803, 0.3712, 0.4256



95.1803, 0.2843, 0.3992



95.1803, 0.2514, 0.2433



95.1803, 0.3354, 0.2712

Sweetspot

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



95.1746, 0.3712, 0.4256



98.1819, 0.3307, 0.3588



47.4899, 0.4088, 0.3275



20.9765, 0.3327, 0.3621



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

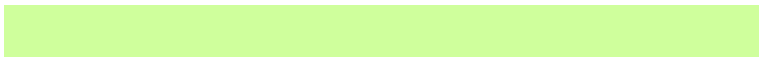
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.1746, 0.3712, 0.4256



94.5270, 0.3824, 0.4441



87.2063, 0.3386, 0.4372



21.0905, 0.3269, 0.3525



48.4724, 0.4193, 0.5052



4.7197, 0.4193, 0.5052

Inverse Universe

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



38.0635, 0.2407, 0.2099



29.7560, 0.2228, 0.1804



43.8092, 0.2757, 0.2204



17.3781, 0.2978, 0.3044



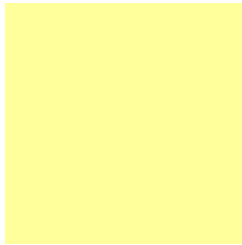
3.7730, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 95.1803, 0.3712, 0.4256 looks on a white background.

Color Contrast Check

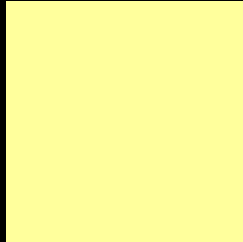
Large Text (above 18pt) WCAG AA × Fail

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 95.1803, 0.3712, 0.4256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

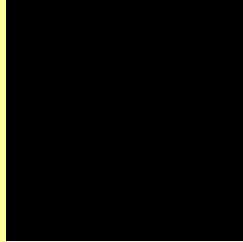
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 95.1803, 0.3712, 0.4256

Background



This preview shows how black text looks on a background with the Yxy color 95.1803, 0.3712, 0.4256.



This preview shows how white text looks on a background with the Yxy color 95.1803, 0.3712, 0.4256.

Color Blindness Simulation

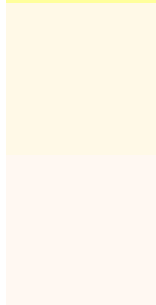
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

95.1803, 0.3712, 0.4256



Protanopia

94.7809, 0.3274, 0.3466

Deuteranopia

94.8056, 0.3208, 0.3348

Tritanopia

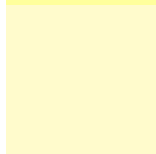
94.8734, 0.3143, 0.3233

Trichromacy



Original Color

95.1803, 0.3712, 0.4256



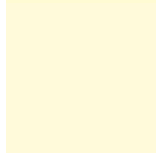
Protanomaly

94.6140, 0.3437, 0.3753



Deuteranomaly

94.9575, 0.3394, 0.3683



Tritanomaly

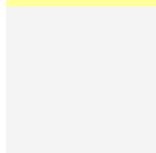
94.6932, 0.3352, 0.3604

Monochromacy



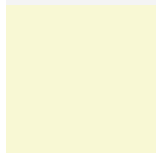
Original Color

95.1803, 0.3712, 0.4256



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.8447, 0.3345, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.1803, 0.3712, 0.4256 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 95.1803, 0.3712, 0.4256 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, 156) }
```

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

```
.border{ border-color:rgb(255, 255, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 95.1803, 0.3712, 0.4256 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, 156) }
```

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

```
.background{ background-color: rgb(255,  
255, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor