

Converting Colors

Yxy(116.9436, 0.3642, 0.4440)

Have a look what the booklet for
Yxy(116.9436, 0.3642, 0.4440)
contains.

Yxy(95.2832, 0.3695, 0.4228)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(95.2832, 0.3695, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF9F
RGB	255, 255, 159
RGB Percent	100%, 100%, 62%
CMY	0.0000, 0.0000, 0.3764
CMYK	0.00, 0.00, 0.38, 0.00
HSL	60°, 100%, 81%
HSV	60°, 38%, 100%
XYZ	83.2714, 95.2832, 46.8078
YIQ	244.0560, 30.8160, -29.8560

Conversions

Conversions Part 2

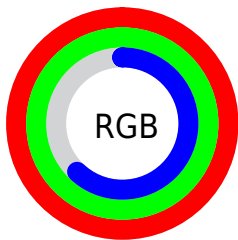
Format	Color
R _Y B	159, 255, 159
Decimal	16777119
CIE Lab	98.15, -13.58, 45.86
CIE LCh	98, 47.828, 106.492
Yxy	95.2832, 0.3695, 0.4228
Android (android.graphics.Color)	4294967199 (0xFFFFFFFF9F)
YUV	244.0560, -41.9326, 9.5979
Hunter-Lab	97.6131, -18.5489, 39.8982

Details

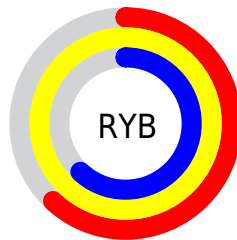
The Yxy color **95.2832, 0.3695, 0.4228** is a light color, and the websafe version is hex **FFFF99**, and the color name is **lemon yellow (crayola)**. A complement of this color would be **39.3953, 0.2432, 0.2141**, and the grayscale version is **90.8341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **53.2991, 0.3799, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **94.4814, 0.3832, 0.4455**, and if you desaturate by 10%, it is **96.2586, 0.3547, 0.3983**.

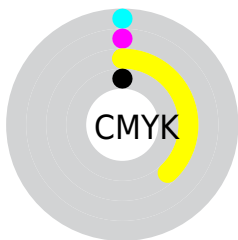
Distribution



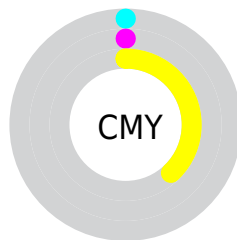
- Red (100%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.2832, 0.3695, 0.4228 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 95.2832, 0.3695, 0.4228 by changing the saturation by 10% instead.


 95.2832, 0.3695,
0.4228

 95.2832, 0.3695,
0.4228


545.0712, 0.3458,
0.3812

 72.3707, 0.3742,
0.4317


 154.6558, 0.3618,
0.4088

 53.4616, 0.3797,
0.4424


 191.8847, 0.3587,
0.4032

 38.1714, 0.3860,
0.4554


234.6545, 0.3559,
0.3984

 26.1157, 0.3933,
0.4714

283.3496, 0.3534,
0.3941

 16.9102, 0.4015,
0.4913

338.3545, 0.3512,
0.3903

 10.1705, 0.4098,
0.5161

400.0534, 0.3492,

 5.5122, 0.4241,

0.3869

0.5571

468.8309, 0.3474,
0.3839

■ 2.5508, 0.4155,
0.5845

■ 0.9020, 0.3683,
0.6317

■ 95.2832, 0.3695,
0.4228

■ 95.2832, 0.3695,
0.4228

■ 94.4814, 0.3832,
0.4455

■ 96.2586, 0.3547,
0.3983

■ 93.8554, 0.3952,
0.4654

■ 97.4314, 0.3394,
0.3730

■ 93.3882, 0.4050,
0.4816

■ 98.8068, 0.3241,
0.3478

■ 93.0654, 0.4123,
0.4936

100.0000, 0.3127,
0.3290

■ 92.8702, 0.4169,
0.5012

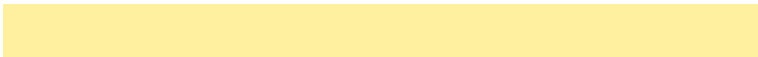
■ 92.7804, 0.4190,
0.5047

■ 92.7669, 0.4193,
0.5052

Harmonies

Analogous

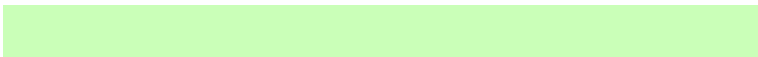
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2832, 0.4064, 0.3997



95.2832, 0.3695, 0.4228



95.2832, 0.3191, 0.4181

Triad

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



95.2832, 0.3695, 0.4228



95.2832, 0.2179, 0.2822



95.2832, 0.3529, 0.2832

Complementary

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



95.2832, 0.3695, 0.4228



39.3953, 0.2432, 0.2141

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.



95.2832, 0.2991, 0.2565



95.2832, 0.3695, 0.4228



95.2832, 0.2249, 0.2535

Square

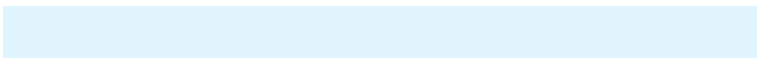
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.2832, 0.3695, 0.4228



95.2832, 0.2332, 0.3291



95.2832, 0.2532, 0.2455



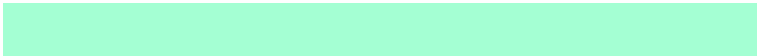
95.2832, 0.3980, 0.3205

Rectangle

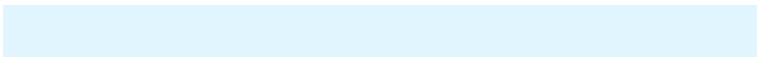
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.2832, 0.3695, 0.4228



95.2832, 0.2850, 0.3968



95.2832, 0.2532, 0.2455



95.2832, 0.3350, 0.2728

Sweetspot

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



95.2787, 0.3695, 0.4228



98.3218, 0.3292, 0.3562



48.6200, 0.4045, 0.3276



21.0044, 0.3313, 0.3596



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

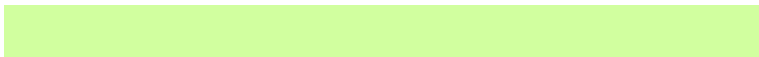
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.2787, 0.3695, 0.4228



94.6749, 0.3797, 0.4397



87.5215, 0.3379, 0.4336



21.0905, 0.3269, 0.3525



48.4728, 0.4193, 0.5052



4.7197, 0.4193, 0.5052

Inverse Universe

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



39.3953, 0.2432, 0.2141



31.6492, 0.2272, 0.1876



45.0574, 0.2771, 0.2240



17.3780, 0.2978, 0.3044



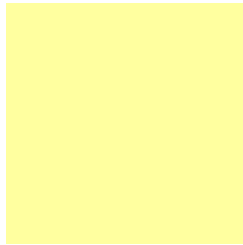
3.7729, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 95.2832, 0.3695, 0.4228 looks on a white background.

Color Contrast Check

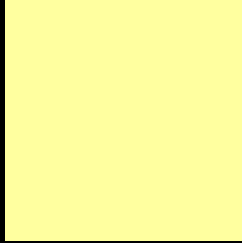
Large Text (above 18pt) WCAG AA × Fail

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 95.2832, 0.3695, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

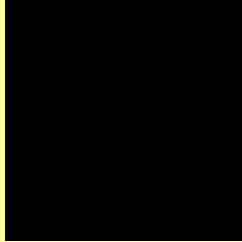
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 95.2832, 0.3695, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 95.2832, 0.3695, 0.4228.



This preview shows how white text looks on a background with the Yxy color 95.2832, 0.3695, 0.4228.

Color Blindness Simulation

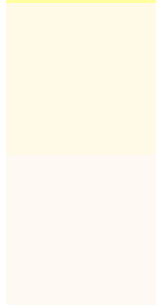
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

95.2832, 0.3695, 0.4228



Protanopia

95.4574, 0.3267, 0.3465

Deuteranopia

95.4824, 0.3201, 0.3348

Tritanopia

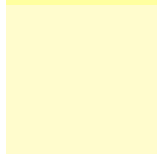
94.8734, 0.3143, 0.3233

Trichromacy



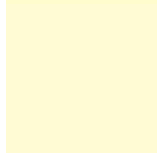
Original Color

95.2832, 0.3695, 0.4228



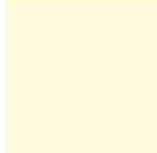
Protanomaly

95.2886, 0.3429, 0.3753



Deuteranomaly

95.0078, 0.3388, 0.3673



Tritanomaly

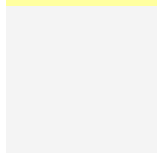
94.7457, 0.3346, 0.3594

Monochromacy



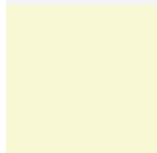
Original Color

95.2832, 0.3695, 0.4228



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.8954, 0.3339, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.2832, 0.3695, 0.4228 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 95.2832, 0.3695, 0.4228 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, 159) }
```

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

```
.border{ border-color:rgb(255, 255, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 95.2832, 0.3695, 0.4228 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
255, 159) }
```

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