

Converting Colors

$Y_{xy}(110.8968, 0.3175, 0.3781)$

Have a look what the booklet for
Yxy(110.8968, 0.3175, 0.3781)
contains.

Yxy(95.5913, 0.3195, 0.3570)	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(95.5913, 0.3195, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	F0FFE3
RGB	240, 255, 227
RGB Percent	94%, 100%, 89%
CMY	0.0590, 0.0000, 0.1098
CMYK	0.06, 0.00, 0.11, 0.00
HSL	92°, 100%, 95%
HSV	92°, 11%, 100%
XYZ	85.5502, 95.5913, 86.6212
YIQ	247.3230, 0.0480, -11.8880

Conversions

Conversions Part 2

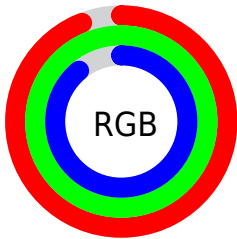
Format	Color
R_{YB}	227, 255, 242
Decimal	15794147
CIE Lab	98.27, -9.78, 11.70
CIE LCh	98, 15.249, 129.902
Yxy	95.5913, 0.3195, 0.3570
Android (android.graphics.Color)	4293984227 (0xFFFF0FFE3)
YUV	247.3230, -10.0192, -6.4223
Hunter-Lab	97.7708, -14.9100, 15.9109

Details

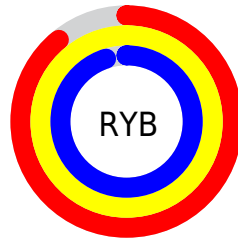
The Yxy color **95.5913, 0.3195, 0.3570** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **81.0506, 0.3053, 0.3012**, and the grayscale version is **93.3607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.5571, 0.3207, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **91.9708, 0.3255, 0.3848**, and if you desaturate by 10%, it is **99.5878, 0.3133, 0.3314**.

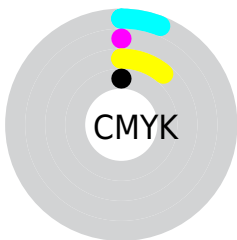
Distribution



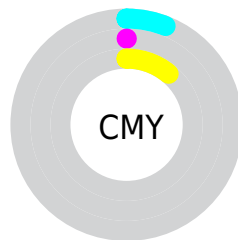
- Red (94%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (95%)



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.5913, 0.3195, 0.3570 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 95.5913, 0.3195, 0.3570 by changing the saturation by 10% instead.

 95.5913, 0.3195,
0.3570

 95.5913, 0.3195,
0.3570


546.0562, 0.3166,
0.3445

 72.6272, 0.3201,
0.3598


155.0813, 0.3185,
0.3527

 53.6712, 0.3208,
0.3631

192.3759, 0.3182,
0.3510

 38.3389, 0.3217,
0.3674


235.2162, 0.3178,
0.3496

 26.2458, 0.3228,
0.3727

283.9866, 0.3175,
0.3483

 17.0076, 0.3242,
0.3799

339.0713, 0.3173,
0.3472

 10.2399, 0.3259,
0.3898

400.8549, 0.3170,

 5.5583, 0.3283,

0.3462

0.4044

469.7218, 0.3168,
0.3453

■ 2.5784, 0.3313,
0.4282

■ 0.9158, 0.3658,
0.5306

■ 95.5913, 0.3195,
0.3570

■ 95.5913, 0.3195,
0.3570

■ 91.9708, 0.3255,
0.3848

99.5878, 0.3133,
0.3314

■ 88.7337, 0.3312,
0.4144

100.0000, 0.3127,
0.3290

■ 85.8592, 0.3360,
0.4451

■ 83.3325, 0.3397,
0.4757

■ 81.1374, 0.3417,
0.5047

■ 79.2563, 0.3417,
0.5305

■ 77.6692, 0.3396,
0.5516

■ 76.3531, 0.3354,
0.5669

■ 75.3683, 0.3303,
0.5759

Harmonies

Analogous

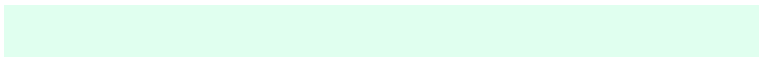
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.5913, 0.3348, 0.3580



95.5913, 0.3195, 0.3570



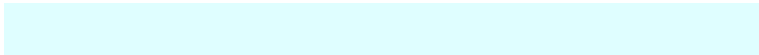
95.5913, 0.3027, 0.3479

Triad

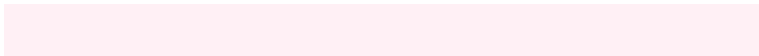
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.5913, 0.3195, 0.3570



95.5913, 0.2820, 0.3063



95.5913, 0.3370, 0.3240

Complementary

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



95.5913, 0.3195, 0.3570



81.0506, 0.3053, 0.3012

Split Complementary

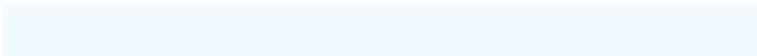
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.5913, 0.3223, 0.3112



95.5913, 0.3195, 0.3570



95.5913, 0.2906, 0.3009

Square

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



95.5913, 0.3195, 0.3570



95.5913, 0.2813, 0.3181



95.5913, 0.3053, 0.3028



95.5913, 0.3452, 0.3385

Rectangle

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



95.5913, 0.3195, 0.3570



95.5913, 0.2929, 0.3386



95.5913, 0.3053, 0.3028



95.5913, 0.3327, 0.3194

Sweetspot

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



95.5844, 0.3195, 0.3570



98.7456, 0.3146, 0.3364



90.2741, 0.3306, 0.3437



21.0652, 0.3151, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

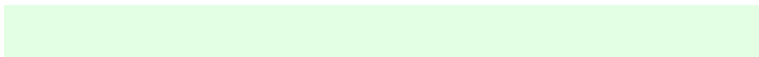
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.5844, 0.3195, 0.3570



94.8221, 0.3207, 0.3624



93.4509, 0.3108, 0.3567



20.5798, 0.3186, 0.3531



39.4682, 0.3315, 0.5750



3.9070, 0.3402, 0.5681

Inverse Universe

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



81.0506, 0.3053, 0.3012



77.8498, 0.3037, 0.2958



83.3640, 0.3146, 0.3028



17.8585, 0.3064, 0.3050



6.6435, 0.2096, 0.0928



0.7119, 0.2214, 0.0993

Previews

White Background



This preview shows how the Yxy color 95.5913, 0.3195, 0.3570 looks on a white background.

Color Contrast Check

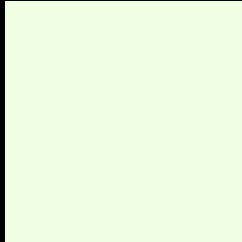
Large Text (above 18pt) WCAG AA × Fail

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 95.5913, 0.3195, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

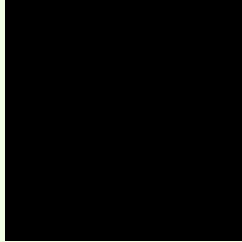
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

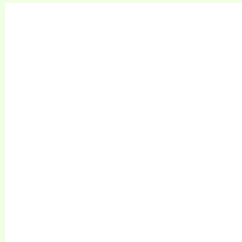
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.5913, 0.3195, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 95.5913, 0.3195, 0.3570.

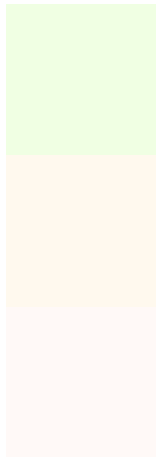


This preview shows how white text looks on a background with the Yxy color 95.5913, 0.3195, 0.3570.

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

95.5913, 0.3195, 0.3570

Protanopia

95.1844, 0.3231, 0.3397

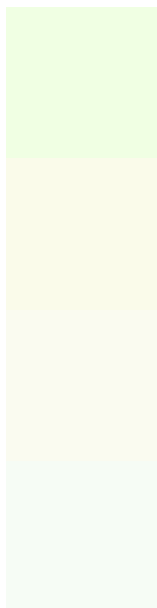
Deuteranopia

95.7268, 0.3177, 0.3309

Tritanopia

95.7310, 0.3092, 0.3242

Trichromacy



Original Color

95.5913, 0.3195, 0.3570

Protanomaly

95.2589, 0.3221, 0.3457

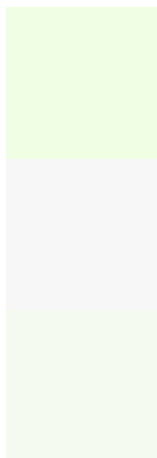
Deuteranomaly

95.6096, 0.3186, 0.3397

Tritanomaly

95.8062, 0.3130, 0.3358

Monochromacy



Original Color

95.5913, 0.3195, 0.3570

Achromatopsia

93.0111, 0.3127, 0.3290

Achromatomaly

93.8956, 0.3148, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.5913, 0.3195, 0.3570 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(240, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 227)  
}
```

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(240, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 95.5913, 0.3195, 0.3570 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(240, 255, 227) }
```

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

```
.border{ border-color:rgb(240, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(240, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 95.5913, 0.3195, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 227) }
```

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

```
.background{ background-color: rgb(240,  
255, 227) }
```

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