

Converting Colors

$Y_{xy}(85.0037, 0.3192, 0.3138)$

Have a look what the booklet for
Yxy(85.0037, 0.3192, 0.3138)
contains.

Yxy(85.0656, 0.3195, 0.3144)	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(85.0656, 0.3195, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7F6
RGB	255, 231, 246
RGB Percent	100%, 91%, 96%
CMY	0.0001, 0.0941, 0.0353
CMYK	0.00, 0.09, 0.04, 0.00
HSL	322°, 100%, 95%
HSV	322°, 9%, 100%
XYZ	86.4455, 85.0656, 99.0538
YIQ	239.8860, 9.4890, 9.7530

Conversions

Conversions Part 2

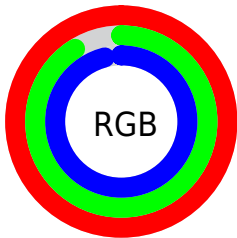
Format	Color
R _Y B	255, 231, 246
Decimal	16771062
CIE Lab	93.91, 10.68, -4.29
CIE LCh	94, 11.511, 338.125
Yxy	85.0656, 0.3195, 0.3144
Android (android.graphics.Color)	4294961142 (0xFFFFE7F6)
YUV	239.8860, 3.0142, 13.2550
Hunter-Lab	92.2310, 5.8986, 0.8857

Details

The Yxy color **85.0656, 0.3195, 0.3144** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.7903, 0.3065, 0.3441**, and the grayscale version is **87.0151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3834, 0.3206, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **71.2481, 0.3281, 0.2982**, and if you desaturate by 10%, it is **99.9966, 0.3127, 0.3290**.

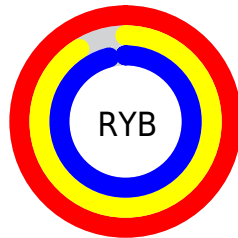
Distribution



Red (100%)

Green (91%)

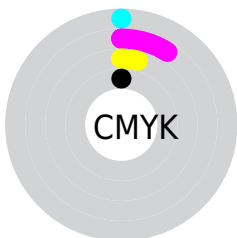
Blue (96%)



Red (100%)

Yellow (91%)

Blue (96%)

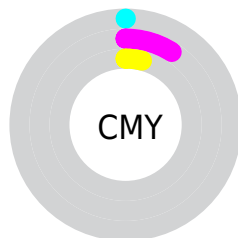


Cyan (0%)

Magenta (9%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0656, 0.3195, 0.3144 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 85.0656, 0.3195, 0.3144 by changing the saturation by 10% instead.


 85.0656, 0.3195,
0.3144

 85.0656, 0.3195,
0.3144


511.8451, 0.3165,
0.3209

 63.8956, 0.3202,
0.3130


140.4648, 0.3185,
0.3166

 46.5661, 0.3210,
0.3112

175.4628, 0.3181,
0.3175

 32.6928, 0.3220,
0.3091


215.8389, 0.3177,
0.3182

 21.8912, 0.3232,
0.3063

261.9776, 0.3174,
0.3189

 13.7770, 0.3249,
0.3027

314.2631, 0.3171,
0.3195

 7.9657, 0.3272,
0.2977

373.0799, 0.3169,

 4.0730, 0.3306,

0.3200

0.2904

438.8125, 0.3167,
0.3205

■ 1.7145, 0.3361,
0.2785

■ 0.4330, 0.3583,
0.2307

■ 85.0656, 0.3195,
0.3144

■ 85.0656, 0.3195,
0.3144

■ 71.2481, 0.3281,
0.2982

99.9966, 0.3127,
0.3290

■ 59.4461, 0.3382,
0.2815

■ 49.5671, 0.3499,
0.2650

■ 41.5065, 0.3634,
0.2495

■ 35.1499, 0.3785,
0.2361

■ 30.3697, 0.3948,
0.2258

■ 27.0204, 0.4119,
0.2198

■ 24.9288, 0.4291,
0.2190

■ 23.8295, 0.4457,
0.2231

Harmonies

Analogous

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



85.0656, 0.3062, 0.3080



85.0656, 0.3195, 0.3144



85.0656, 0.3312, 0.3245

Triad

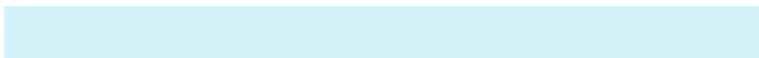
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0656, 0.3195, 0.3144



85.0656, 0.3307, 0.3515



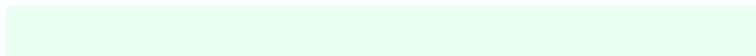
85.0656, 0.2882, 0.3212

Complementary

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



85.0656, 0.3195, 0.3144



94.7903, 0.3065, 0.3441

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.



85.0656, 0.2944, 0.3333



85.0656, 0.3195, 0.3144



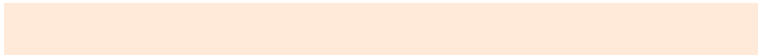
85.0656, 0.3189, 0.3511

Square

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



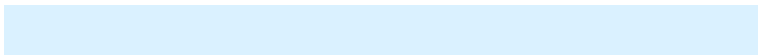
85.0656, 0.3195, 0.3144



85.0656, 0.3377, 0.3459



85.0656, 0.3056, 0.3443



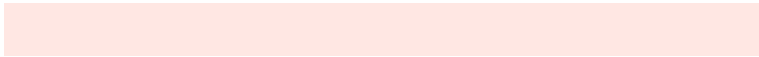
85.0656, 0.2883, 0.3117

Rectangle

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



85.0656, 0.3195, 0.3144



85.0656, 0.3364, 0.3321



85.0656, 0.3056, 0.3443



85.0656, 0.2896, 0.3251

Sweetspot

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



85.0693, 0.3195, 0.3144



95.0326, 0.3148, 0.3244



82.8680, 0.3037, 0.3051



20.0638, 0.3153, 0.3232



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

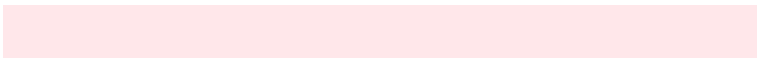
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0693, 0.3195, 0.3144



82.7325, 0.3208, 0.3118



84.3677, 0.3272, 0.3259



18.1782, 0.3196, 0.3142



12.4555, 0.4441, 0.2220



1.2340, 0.4262, 0.2121

Inverse Universe

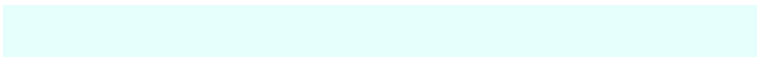
The Inverse Universe completely reimagines the original color for something new.



85.0693, 0.3195, 0.3144



82.7325, 0.3208, 0.3118



95.5143, 0.2999, 0.3321



18.1782, 0.3196, 0.3142



12.4555, 0.4441, 0.2220



1.2340, 0.4262, 0.2121

Previews

White Background



This preview shows how the Yxy color 85.0656, 0.3195, 0.3144 looks on a white background.

Color Contrast Check

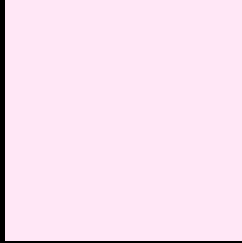
Large Text (above 18pt) WCAG AA × Fail

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 85.0656, 0.3195, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

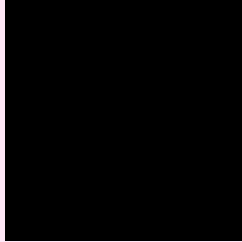
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0656, 0.3195, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 85.0656, 0.3195, 0.3144.



This preview shows how white text looks on a background with the Yxy color 85.0656, 0.3195, 0.3144.

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

85.0656, 0.3195, 0.3144

Protanopia

85.0076, 0.3061, 0.3160

Deuteranopia

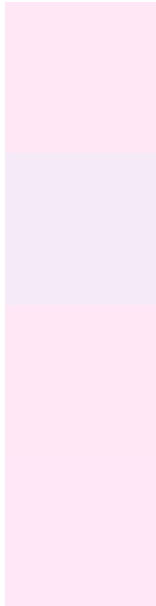
85.0044, 0.3202, 0.3154



Tritanopia

85.1891, 0.3182, 0.3125

Trichromacy



Original Color

85.0656, 0.3195, 0.3144

Protanomaly

84.8560, 0.3107, 0.3151

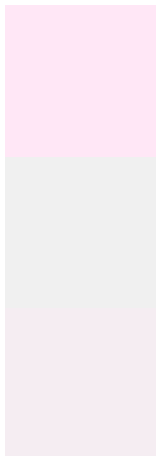
Deuteranomaly

85.0044, 0.3202, 0.3154

Tritanomaly

85.1272, 0.3189, 0.3134

Monochromacy



Original Color

85.0656, 0.3195, 0.3144

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.3917, 0.3149, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0656, 0.3195, 0.3144 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, 231, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 246)  
}
```

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, 231, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 246) }
```

Border

The CSS property to change the border of an element to Yxy 85.0656, 0.3195, 0.3144 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, 231, 246) }
```

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

```
.border{ border-color:rgb(255, 231, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
246) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 85.0656, 0.3195, 0.3144$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 246) }
```

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

```
.background{ background-color: rgb(255,  
231, 246) }
```

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