

Converting Colors

$Y_{xy}(100.0000, 0.3578, 0.3100)$

Have a look what the booklet for
Yxy(100.0000, 0.3578, 0.3100)
contains.

Yxy(85.5676, 0.3144, 0.3068)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.5676, 0.3144, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7FE
RGB	255, 231, 254
RGB Percent	100%, 91%, 100%
CMY	0.0002, 0.0940, 0.0040
CMYK	0.00, 0.09, 0.00, 0.00
HSL	302°, 100%, 95%
HSV	302°, 9%, 100%
XYZ	87.6873, 85.5676, 105.6487
YIQ	240.7980, 6.9210, 12.2410

Conversions

Conversions Part 2

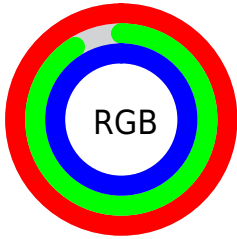
Format	Color
R_{YB}	255, 231, 254
Decimal	16771070
CIE _{Lab}	94.13, 12.06, -8.13
CIE _{LCh}	94, 14.542, 326.031
Yxy	85.5676, 0.3144, 0.3068
Android (android.graphics.Color)	4294961150 (0xFFFFE7FE)
YUV	240.7980, 6.5086, 12.4552
Hunter-Lab	92.5028, 7.3279, -2.9640

Details

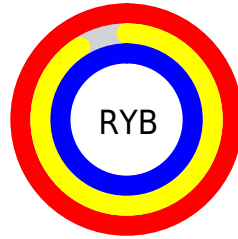
The Yxy color **85.5676, 0.3144, 0.3068** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.3018, 0.3110, 0.3522**, and the grayscale version is **87.7369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6969, 0.3149, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **72.2572, 0.3163, 0.2825**, and if you desaturate by 10%, it is **99.9890, 0.3127, 0.3290**.

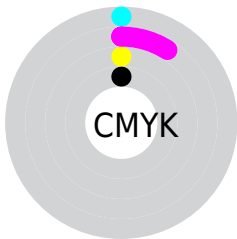
Distribution



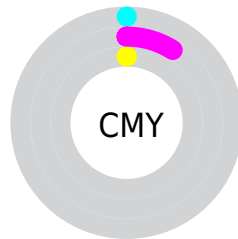
- Red (100%)
- Green (91%)
- Blue (100%)



- Red (100%)
- Yellow (91%)
- Blue (100%)



- Cyan (0%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5676, 0.3144, 0.3068 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 85.5676, 0.3144, 0.3068 by changing the saturation by 10% instead.

 85.5676, 0.3144,
0.3068

 85.5676, 0.3144,
0.3068


513.5044, 0.3137,
0.3166

 64.3105, 0.3145,
0.3047


141.1659, 0.3142,
0.3101

 46.9022, 0.3147,
0.3021


176.2759, 0.3141,
0.3114

 32.9583, 0.3149,
0.2989


216.7723, 0.3140,
0.3126

 22.0945, 0.3151,
0.2948

263.0395, 0.3139,
0.3136

 13.9264, 0.3153,
0.2894

315.4620, 0.3139,
0.3145

 8.0695, 0.3156,
0.2821

374.4240, 0.3138,

 4.1394, 0.3159,

0.3153

0.2715

440.3100, 0.3138,
0.3160

■ 1.7519, 0.3161,
0.2548

■ 0.4569, 0.3232,
0.2026

■ 85.5676, 0.3144,
0.3068

■ 85.5676, 0.3144,
0.3068

■ 72.2572, 0.3163,
0.2825

99.9890, 0.3127,
0.3290

■ 60.9326, 0.3184,
0.2583

■ 51.5014, 0.3205,
0.2349

■ 43.8598, 0.3227,
0.2134

■ 37.8938, 0.3248,
0.1947

■ 33.4766, 0.3267,
0.1797

■ 30.4630, 0.3285,
0.1689

■ 28.6806, 0.3300,
0.1626

■ 27.8653, 0.3313,
0.1600

Harmonies

Analogous

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



85.5676, 0.2981, 0.3013



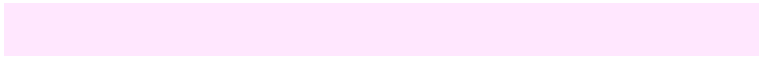
85.5676, 0.3144, 0.3068



85.5676, 0.3306, 0.3178

Triad

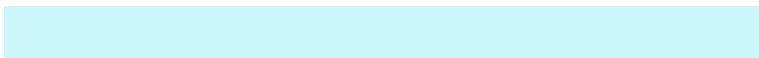
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5676, 0.3144, 0.3068



85.5676, 0.3399, 0.3553



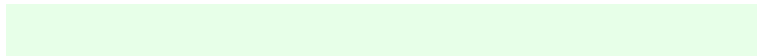
85.5676, 0.2841, 0.3250

Complementary

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



85.5676, 0.3144, 0.3068



94.3018, 0.3110, 0.3522

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.



85.5676, 0.2948, 0.3404



85.5676, 0.3144, 0.3068



85.5676, 0.3269, 0.3582

Square

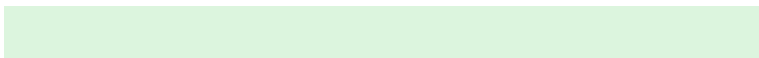
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5676, 0.3144, 0.3068



85.5676, 0.3455, 0.3455



85.5676, 0.3104, 0.3528



85.5676, 0.2810, 0.3113

Rectangle

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



85.5676, 0.3144, 0.3068



85.5676, 0.3391, 0.3270



85.5676, 0.3104, 0.3528



85.5676, 0.2869, 0.3302

Sweetspot

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



85.5713, 0.3144, 0.3068



95.1961, 0.3132, 0.3220



81.5101, 0.2986, 0.3048



20.1081, 0.3134, 0.3201



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.



85.5713, 0.3144, 0.3068



83.3189, 0.3147, 0.3029



84.8384, 0.3219, 0.3181



18.2871, 0.3144, 0.3065



14.5533, 0.3312, 0.1598



1.4208, 0.3299, 0.1591

Inverse Universe

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



85.5713, 0.3144, 0.3068



83.3189, 0.3147, 0.3029



94.9951, 0.3044, 0.3402



18.2871, 0.3144, 0.3065



14.5533, 0.3312, 0.1598



1.4208, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 85.5676, 0.3144, 0.3068 looks on a white background.

Color Contrast Check

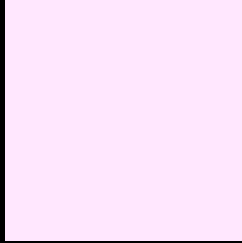
Large Text (above 18pt) WCAG AA × Fail

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 85.5676, 0.3144, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

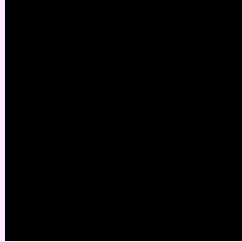
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

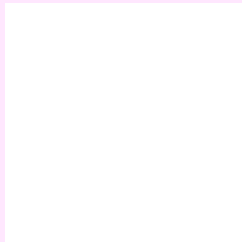
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5676, 0.3144, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 85.5676, 0.3144, 0.3068.

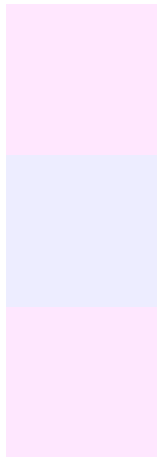


This preview shows how white text looks on a background with the Yxy color 85.5676, 0.3144, 0.3068.

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

85.5676, 0.3144, 0.3068

Protanopia

85.7929, 0.3018, 0.3110

Deuteranopia

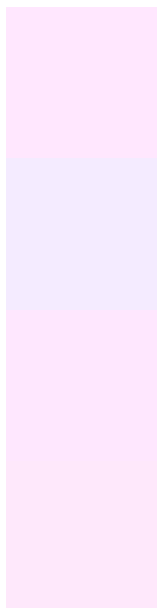
85.3784, 0.3138, 0.3067



Tritanopia

85.6862, 0.3162, 0.3115

Trichromacy



Original Color

85.5676, 0.3144, 0.3068

Protanomaly

85.8698, 0.3064, 0.3093

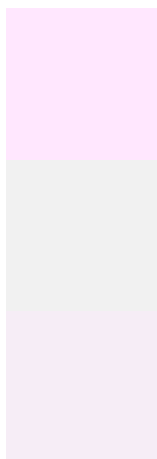
Deuteranomaly

85.3784, 0.3138, 0.3067

Tritanomaly

85.7491, 0.3156, 0.3106

Monochromacy



Original Color

85.5676, 0.3144, 0.3068

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

86.8150, 0.3131, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5676, 0.3144, 0.3068 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 254) }
```

Border

The CSS property to change the border of an element to Yxy 85.5676, 0.3144, 0.3068 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, 254) }
```

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

```
.border{ border-color:rgb(255, 231, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5676, 0.3144, 0.3068 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
231, 254) }
```

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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