

Converting Colors

$Y_{xy}(100.2319, 0.3622, 0.3185)$

Have a look what the booklet for
Yxy(100.2319, 0.3622, 0.3185)
contains.

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Color

Yxy(86.1916, 0.3194, 0.3164)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9F6
RGB	255, 233, 246
RGB Percent	100%, 91%, 96%
CMY	0.0000, 0.0862, 0.0354
CMYK	0.00, 0.09, 0.04, 0.00
HSL	325°, 100%, 96%
HSV	325°, 9%, 100%
XYZ	87.0088, 86.1916, 99.2130
YIQ	241.0600, 8.9390, 8.7070

Conversions

Conversions Part 2

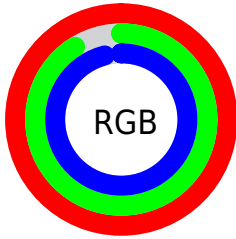
Format	Color
R_{YB}	255, 233, 246
Decimal	16771574
CIE _{Lab}	94.39, 9.65, -3.56
CIE _{LCh}	94, 10.286, 339.752
Yxy	86.1916, 0.3194, 0.3164
Android (android.graphics.Color)	4294961654 (0xFFFFE9F6)
YUV	241.0600, 2.4354, 12.2254
Hunter-Lab	92.8394, 4.8207, 1.6273

Details

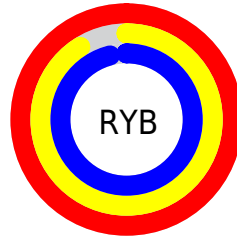
The Yxy color **86.1916, 0.3194, 0.3164** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.2583, 0.3066, 0.3419**, and the grayscale version is **87.9890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1678, 0.3204, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **72.1600, 0.3286, 0.3011**, and if you desaturate by 10%, it is **99.9999, 0.3127, 0.3290**.

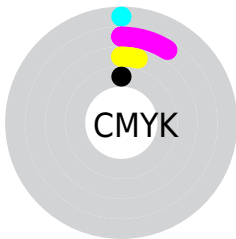
Distribution



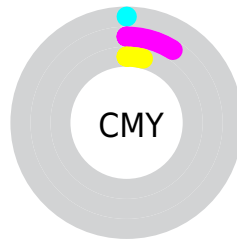
- Red (100%)
- Green (91%)
- Blue (96%)



- 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 86.1916, 0.3194, 0.3164 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 86.1916, 0.3194, 0.3164 by changing the saturation by 10% instead.


 86.1916, 0.3194,
0.3164

 86.1916, 0.3194,
0.3164


515.5628, 0.3164,
0.3220

 64.8264, 0.3201,
0.3152

142.0368, 0.3184,
0.3183

 47.3203, 0.3208,
0.3137


177.2857, 0.3180,
0.3191

 33.2890, 0.3218,
0.3118


217.9312, 0.3176,
0.3197

 22.3479, 0.3231,
0.3094

264.3578, 0.3173,
0.3203

 14.1128, 0.3247,
0.3063

316.9498, 0.3171,
0.3208

 8.1991, 0.3270,
0.3020

376.0918, 0.3168,

 4.2226, 0.3304,

0.3212

0.2957

442.1679, 0.3166,
0.3216

■ 1.7989, 0.3359,
0.2855

■ 0.4865, 0.3556,
0.2478

■ 86.1916, 0.3194,
0.3164

■ 86.1916, 0.3194,
0.3164

■ 72.1600, 0.3286,
0.3011

99.9999, 0.3127,
0.3290

■ 60.1575, 0.3395,
0.2854

■ 50.0917, 0.3523,
0.2697

■ 41.8586, 0.3670,
0.2549

■ 35.3446, 0.3837,
0.2420

■ 30.4231, 0.4019,
0.2321

■ 26.9500, 0.4211,
0.2265

■ 24.7544, 0.4404,
0.2261

■ 23.5937, 0.4592,
0.2309

Harmonies

Analogous

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



86.1916, 0.3075, 0.3105



86.1916, 0.3194, 0.3164



86.1916, 0.3296, 0.3256

Triad

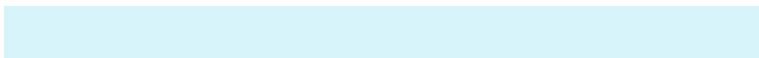
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1916, 0.3194, 0.3164



86.1916, 0.3282, 0.3492



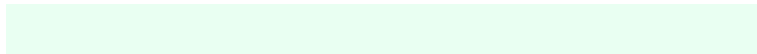
86.1916, 0.2907, 0.3216

Complementary

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



86.1916, 0.3194, 0.3164



95.2583, 0.3066, 0.3419

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.



86.1916, 0.2960, 0.3322



86.1916, 0.3194, 0.3164



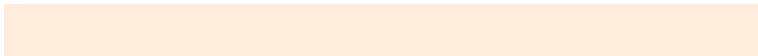
86.1916, 0.3176, 0.3484

Square

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



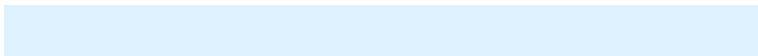
86.1916, 0.3194, 0.3164



86.1916, 0.3348, 0.3444



86.1916, 0.3058, 0.3422



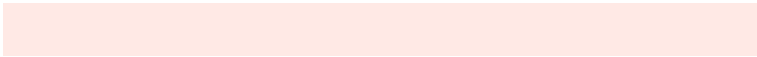
86.1916, 0.2911, 0.3133

Rectangle

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



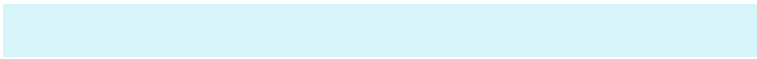
86.1916, 0.3194, 0.3164



86.1916, 0.3340, 0.3324



86.1916, 0.3058, 0.3422



86.1916, 0.2919, 0.3250

Sweetspot

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



86.1954, 0.3194, 0.3164



95.0151, 0.3149, 0.3247



84.3464, 0.3050, 0.3072



20.0591, 0.3155, 0.3235



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

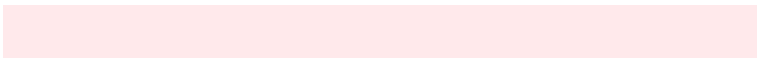
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1954, 0.3194, 0.3164



84.1395, 0.3206, 0.3143



85.5537, 0.3263, 0.3269



18.1667, 0.3201, 0.3151



12.2944, 0.4588, 0.2301



1.2188, 0.4387, 0.2191

Inverse Universe

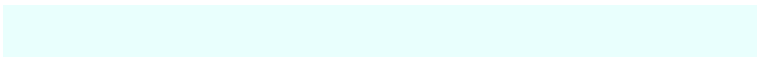
The Inverse Universe completely reimagines the original color for something new.



86.1954, 0.3194, 0.3164



84.1395, 0.3206, 0.3143



95.9242, 0.3006, 0.3311



18.1667, 0.3201, 0.3151



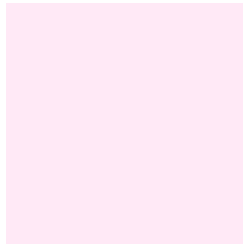
12.2944, 0.4588, 0.2301



1.2188, 0.4387, 0.2191

Previews

White Background



This preview shows how the Yxy color 86.1916, 0.3194, 0.3164 looks on a white background.

Color Contrast Check

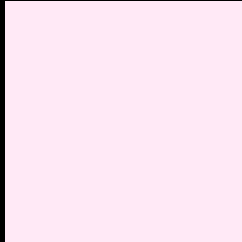
Large Text (above 18pt) WCAG AA × Fail

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 86.1916, 0.3194, 0.3164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

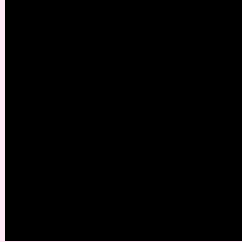
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

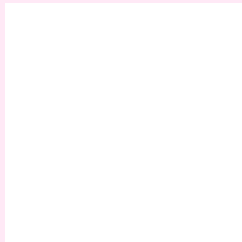
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1916, 0.3194, 0.3164

Background



This preview shows how black text looks on a background with the Yxy color 86.1916, 0.3194, 0.3164.



This preview shows how white text looks on a background with the Yxy color 86.1916, 0.3194, 0.3164.

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

86.1916, 0.3194, 0.3164

Protanopia

86.5139, 0.3073, 0.3180

Deuteranopia

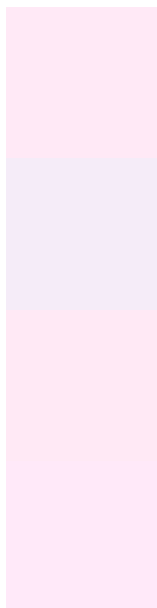
86.1304, 0.3200, 0.3173



Tritanopia

86.4400, 0.3168, 0.3125

Trichromacy



Original Color

86.1916, 0.3194, 0.3164

Protanomaly

86.1807, 0.3113, 0.3171

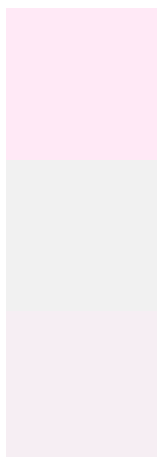
Deuteranomaly

86.1304, 0.3200, 0.3173

Tritanomaly

86.3774, 0.3175, 0.3135

Monochromacy



Original Color

86.1916, 0.3194, 0.3164

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.2130, 0.3149, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1916, 0.3194, 0.3164 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, 233, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 246) }
```

Border

The CSS property to change the border of an element to Yxy 86.1916, 0.3194, 0.3164 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, 233, 246) }
```

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

```
.border{ border-color:rgb(255, 233, 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, 233, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1916, 0.3194, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 246) }
```

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

```
.background{ background-color: rgb(255,  
233, 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](#).

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