

Converting Colors

$Y_{xy}(85.3876, 0.3256, 0.3253)$

Have a look what the booklet for
Yxy(85.3876, 0.3256, 0.3253)
contains.

Yxy(85.5940, 0.3258, 0.3261)	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(85.5940, 0.3258, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9EC
RGB	255, 233, 236
RGB Percent	100%, 91%, 93%
CMY	0.0000, 0.0862, 0.0745
CMYK	0.00, 0.09, 0.07, 0.00
HSL	352°, 100%, 96%
HSV	352°, 9%, 100%
XYZ	85.5153, 85.5940, 91.3685
YIQ	239.9200, 12.1490, 5.5970

Conversions

Conversions Part 2

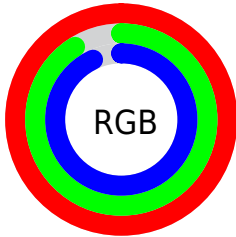
Format	Color
R _Y B	255, 233, 236
Decimal	16771564
CIE Lab	94.14, 7.96, 1.25
CIE LCh	94, 8.057, 8.928
Yxy	85.5940, 0.3258, 0.3261
Android (android.graphics.Color)	4294961644 (0xFFFE9EC)
YUV	239.9200, -1.9326, 13.2252
Hunter-Lab	92.5170, 3.0862, 6.2079

Details

The Yxy color **85.5940, 0.3258, 0.3261** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.8661, 0.3010, 0.3319**, and the grayscale version is **87.0813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7453, 0.3288, 0.3253** is the 20% darker color. If you saturate the color by 10%, you get **70.9852, 0.3444, 0.3225**, and if you desaturate by 10%, it is **99.9977, 0.3127, 0.3290**.

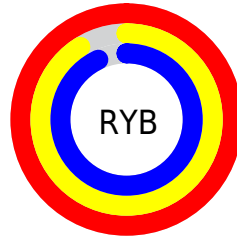
Distribution



Red (100%)

Green (91%)

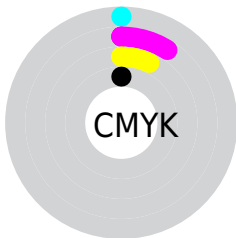
Blue (93%)



Red (100%)

Yellow (91%)

Blue (93%)

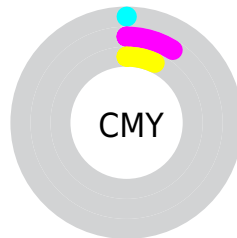


Cyan (0%)

Magenta (9%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5940, 0.3258, 0.3261 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 85.5940, 0.3258, 0.3261 by changing the saturation by 10% instead.


 85.5940, 0.3258,
0.3261

 85.5940, 0.3258,
0.3261

513.5915, 0.3199,
0.3274

 64.3323, 0.3271,
0.3258


141.2028, 0.3238,
0.3266

 46.9199, 0.3287,
0.3254

176.3187, 0.3230,
0.3267

 32.9723, 0.3307,
0.3250


216.8214, 0.3223,
0.3269

 22.1052, 0.3333,
0.3244

263.0954, 0.3217,
0.3270

 13.9342, 0.3367,
0.3236

315.5250, 0.3212,
0.3271

 8.0749, 0.3416,
0.3224

374.4946, 0.3207,

 4.1429, 0.3488,

0.3273

0.3207

440.3886, 0.3203,
0.3273

■ 1.7538, 0.3609,
0.3176

■ 0.4582, 0.4200,
0.3056

■ 85.5940, 0.3258,
0.3261

■ 85.5940, 0.3258,
0.3261

■ 70.9852, 0.3444,
0.3225

99.9977, 0.3127,
0.3290

■ 58.5219, 0.3676,
0.3188

■ 48.1062, 0.3961,
0.3152

■ 39.6285, 0.4305,
0.3119

■ 32.9686, 0.4705,
0.3097

■ 27.9932, 0.5144,
0.3090

■ 24.5503, 0.5582,
0.3108

■ 22.4609, 0.5960,
0.3151

■ 21.4722, 0.6226,
0.3212

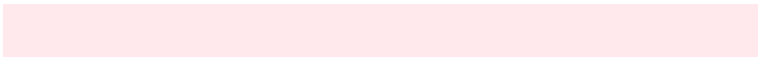
Harmonies

Analogous

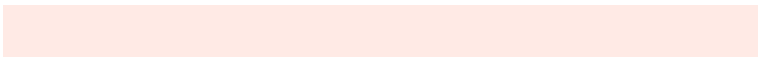
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5940, 0.3177, 0.3189



85.5940, 0.3258, 0.3261



85.5940, 0.3303, 0.3342

Triad

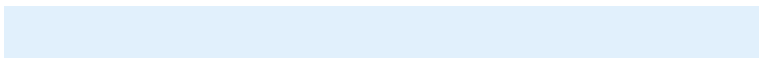
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5940, 0.3258, 0.3261



85.5940, 0.3168, 0.3442



85.5940, 0.2956, 0.3168

Complementary

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



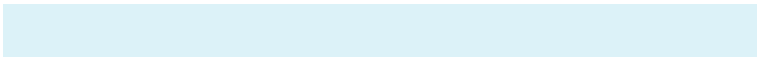
85.5940, 0.3258, 0.3261



95.8661, 0.3010, 0.3319

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.



85.5940, 0.2954, 0.3235



85.5940, 0.3258, 0.3261



85.5940, 0.3076, 0.3395

Square

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



85.5940, 0.3258, 0.3261



85.5940, 0.3251, 0.3448



85.5940, 0.2998, 0.3318



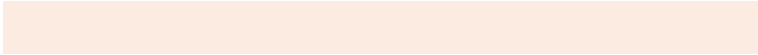
85.5940, 0.3004, 0.3135

Rectangle

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



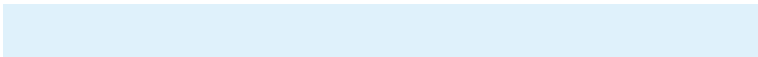
85.5940, 0.3258, 0.3261



85.5940, 0.3307, 0.3390



85.5940, 0.2998, 0.3318



85.5940, 0.2950, 0.3187

Sweetspot

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



85.5978, 0.3258, 0.3261



94.7973, 0.3170, 0.3280



86.1411, 0.3115, 0.3077



20.0004, 0.3182, 0.3277



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

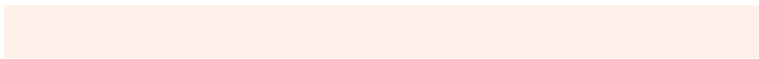
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5978, 0.3258, 0.3261



83.4570, 0.3281, 0.3256



89.8764, 0.3270, 0.3366



18.0273, 0.3273, 0.3258



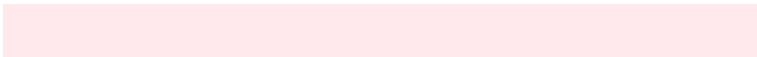
11.1834, 0.6226, 0.3204



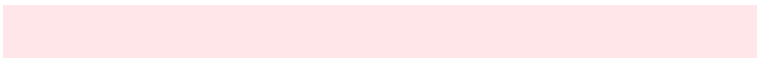
1.1006, 0.5969, 0.3062

Inverse Universe

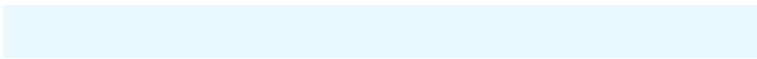
The Inverse Universe completely reimagines the original color for something new.



85.5978, 0.3258, 0.3261



83.4570, 0.3281, 0.3256



91.2474, 0.2993, 0.3213



18.0273, 0.3273, 0.3258



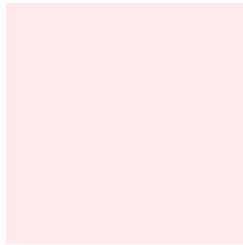
11.1834, 0.6226, 0.3204



1.1006, 0.5969, 0.3062

Previews

White Background



This preview shows how the Yxy color 85.5940, 0.3258, 0.3261 looks on a white background.

Color Contrast Check

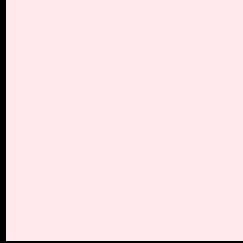
Large Text (above 18pt) WCAG AA × Fail

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 85.5940, 0.3258, 0.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

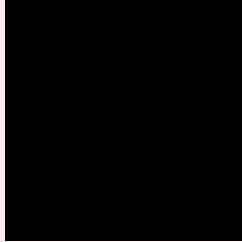
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

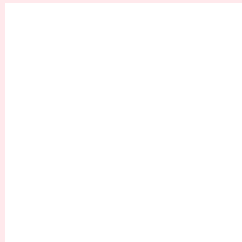
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5940, 0.3258, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 85.5940, 0.3258, 0.3261.

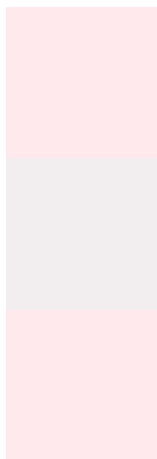


This preview shows how white text looks on a background with the Yxy color 85.5940, 0.3258, 0.3261.

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

85.5940, 0.3258, 0.3261

Protanopia

85.6187, 0.3154, 0.3280

Deuteranopia

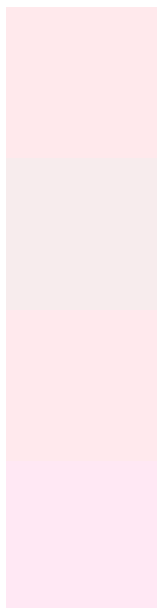
85.6523, 0.3252, 0.3251



Tritanopia

85.7505, 0.3182, 0.3135

Trichromacy



Original Color

85.5940, 0.3258, 0.3261

Protanomaly

85.8795, 0.3195, 0.3280

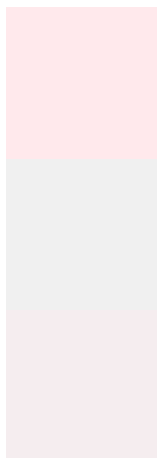
Deuteranomaly

85.6523, 0.3252, 0.3251

Tritanomaly

85.5049, 0.3207, 0.3173

Monochromacy



Original Color

85.5940, 0.3258, 0.3261

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.2128, 0.3168, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5940, 0.3258, 0.3261 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 236) }
```

Border

The CSS property to change the border of an element to Yxy 85.5940, 0.3258, 0.3261 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, 236) }
```

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

```
.border{ border-color:rgb(255, 233, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5940, 0.3258, 0.3261 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
233, 236) }
```

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