

Converting Colors

$Y_{xy}(100.0000, 0.3629, 0.3156)$

Have a look what the booklet for
Yxy(100.0000, 0.3629, 0.3156)
contains.

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Color

Yxy(85.7505, 0.3182, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8F8
RGB	255, 232, 248
RGB Percent	100%, 91%, 97%
CMY	0.0000, 0.0902, 0.0276
CMYK	0.00, 0.09, 0.03, 0.00
HSL	318°, 100%, 95%
HSV	318°, 9%, 100%
XYZ	87.0361, 85.7505, 100.7397
YIQ	240.7010, 8.5720, 9.8520

Conversions

Conversions Part 2

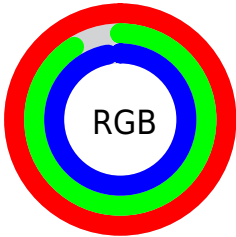
Format	Color
R _Y B	255, 232, 248
Decimal	16771320
CIE Lab	94.21, 10.51, -4.87
CIE LCh	94, 11.590, 335.127
Yxy	85.7505, 0.3182, 0.3135
Android (android.graphics.Color)	4294961400 (0xFFFFE8F8)
YUV	240.7010, 3.5984, 12.5402
Hunter-Lab	92.6016, 5.7191, 0.3205

Details

The Yxy color **85.7505, 0.3182, 0.3135** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.9120, 0.3076, 0.3450**, and the grayscale version is **87.6820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8622, 0.3189, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **71.9487, 0.3253, 0.2956**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

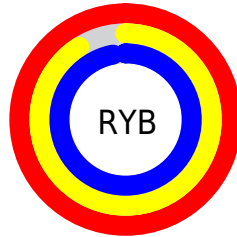
Distribution



Red (100%)

Green (91%)

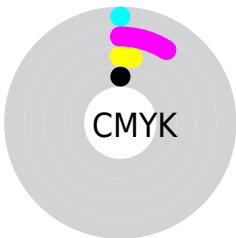
Blue (97%)



Red (100%)

Yellow (91%)

Blue (97%)

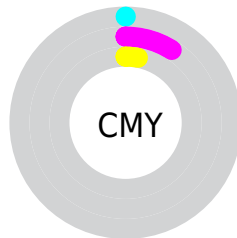


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7505, 0.3182, 0.3135 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 85.7505, 0.3182, 0.3135 by changing the saturation by 10% instead.

 85.7505, 0.3182,
0.3135

 85.7505, 0.3182,
0.3135


514.1082, 0.3158,
0.3204

 64.4617, 0.3187,
0.3120


141.4213, 0.3174,
0.3158

 47.0247, 0.3194,
0.3102


176.5720, 0.3171,
0.3168

 33.0552, 0.3202,
0.3079


217.1122, 0.3168,
0.3176

 22.1687, 0.3212,
0.3050

263.4261, 0.3165,
0.3183

 13.9809, 0.3225,
0.3012

315.8983, 0.3163,
0.3189

 8.1074, 0.3243,
0.2959

374.9131, 0.3161,

 4.1638, 0.3269,

0.3194

0.2882

440.8549, 0.3159,
0.3199

■ 1.7656, 0.3311,
0.2759

■ 0.4656, 0.3474,
0.2313

■ 85.7505, 0.3182,
0.3135

■ 85.7505, 0.3182,
0.3135

■ 71.9487, 0.3253,
0.2956

100.0000, 0.3127,
0.3290

■ 60.1576, 0.3336,
0.2773

■ 50.2840, 0.3432,
0.2592

■ 42.2240, 0.3541,
0.2422

■ 35.8638, 0.3660,
0.2273

■ 31.0766, 0.3788,
0.2156

■ 27.7178, 0.3920,
0.2082

■ 25.6159, 0.4052,
0.2057

■ 24.5175, 0.4179,
0.2080

Harmonies

Analogous

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



85.7505, 0.3048, 0.3076



85.7505, 0.3182, 0.3135



85.7505, 0.3303, 0.3234

Triad

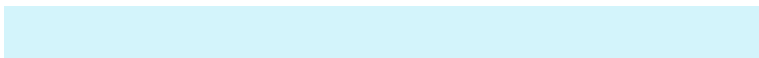
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7505, 0.3182, 0.3135



85.7505, 0.3317, 0.3513



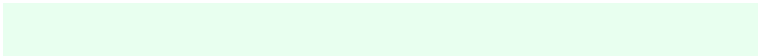
85.7505, 0.2884, 0.3223

Complementary

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



85.7505, 0.3182, 0.3135



94.9120, 0.3076, 0.3450

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.



85.7505, 0.2953, 0.3345



85.7505, 0.3182, 0.3135



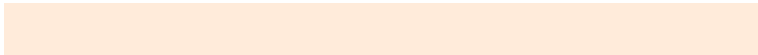
85.7505, 0.3202, 0.3515

Square

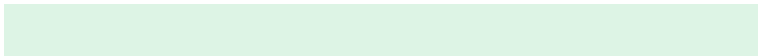
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



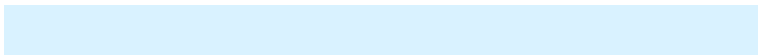
85.7505, 0.3182, 0.3135



85.7505, 0.3382, 0.3451



85.7505, 0.3069, 0.3453



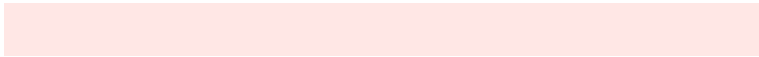
85.7505, 0.2879, 0.3124

Rectangle

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



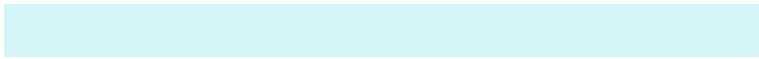
85.7505, 0.3182, 0.3135



85.7505, 0.3359, 0.3310



85.7505, 0.3069, 0.3453



85.7505, 0.2901, 0.3263

Sweetspot

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



85.7532, 0.3182, 0.3135



95.0659, 0.3144, 0.3239



83.2726, 0.3031, 0.3061



20.0728, 0.3149, 0.3226



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.



85.7532, 0.3182, 0.3135



82.8501, 0.3195, 0.3100



85.0697, 0.3255, 0.3245



18.2001, 0.3185, 0.3126



12.7943, 0.4172, 0.2072



1.2653, 0.4035, 0.1996

Inverse Universe

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



85.7532, 0.3182, 0.3135



82.8501, 0.3195, 0.3100



95.6047, 0.3013, 0.3335



18.2001, 0.3185, 0.3126



12.7943, 0.4172, 0.2072



1.2653, 0.4035, 0.1996

Previews

White Background



This preview shows how the Yxy color 85.7505, 0.3182, 0.3135 looks on a white background.

Color Contrast Check

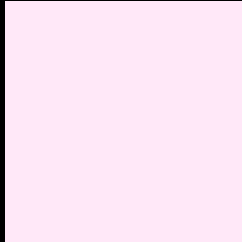
Large Text (above 18pt) WCAG AA × Fail

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 85.7505, 0.3182, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

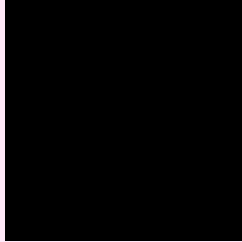
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

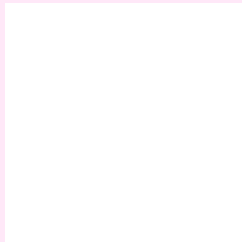
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7505, 0.3182, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 85.7505, 0.3182, 0.3135.



This preview shows how white text looks on a background with the Yxy color 85.7505, 0.3182, 0.3135.

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

85.7505, 0.3182, 0.3135

Protanopia

85.8841, 0.3055, 0.3150

Deuteranopia

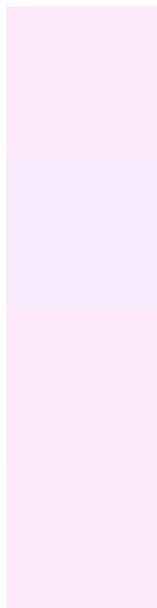
85.6886, 0.3188, 0.3144



Tritanopia

85.8754, 0.3169, 0.3115

Trichromacy



Original Color

85.7505, 0.3182, 0.3135

Protanomaly

85.7313, 0.3101, 0.3142

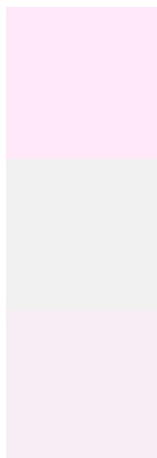
Deuteranomaly

85.6886, 0.3188, 0.3144

Tritanomaly

85.8128, 0.3175, 0.3125

Monochromacy



Original Color

85.7505, 0.3182, 0.3135

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.2736, 0.3143, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7505, 0.3182, 0.3135 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, 232, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 248)  
}
```

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, 232, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 248) }
```

Border

The CSS property to change the border of an element to Yxy 85.7505, 0.3182, 0.3135 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, 232, 248) }
```

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

```
.border{ border-color:rgb(255, 232, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7505, 0.3182, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 248) }
```

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

```
.background{ background-color: rgb(255,  
232, 248) }
```

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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