

Converting Colors

$Y_{xy}(92.1059, 0.3527, 0.3343)$

Have a look what the booklet for
Yxy(92.1059, 0.3527, 0.3343)
contains.

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Color

Yxy(85.7071, 0.3309, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAE4
RGB	255, 234, 228
RGB Percent	100%, 92%, 89%
CMY	0.0001, 0.0823, 0.1059
CMYK	0.00, 0.08, 0.11, 0.00
HSL	13°, 100%, 95%
HSV	13°, 11%, 100%
XYZ	84.6581, 85.7071, 85.4768
YIQ	239.5950, 14.4420, 2.5860

Conversions

Conversions Part 2

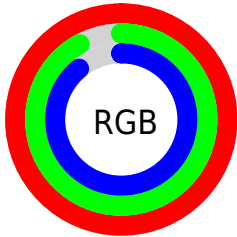
Format	Color
R _Y B	255, 236, 228
Decimal	16771812
CIE Lab	94.19, 6.13, 5.48
CIE LCh	94, 8.223, 41.782
Yxy	85.7071, 0.3309, 0.3350
Android (android.graphics.Color)	4294961892 (0xFFFFEAE4)
YUV	239.5950, -5.7163, 13.5102
Hunter-Lab	92.5781, 1.2177, 10.0626

Details

The Yxy color $85.7071, 0.3309, 0.3350$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $91.4346, 0.2963, 0.3229$, and the grayscale version is $86.8414, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.8637, 0.3346, 0.3354$ is the 20% darker color. If you saturate the color by 10%, you get $73.7412, 0.3517, 0.3411$, and if you desaturate by 10%, it is $99.1504, 0.3136, 0.3293$.

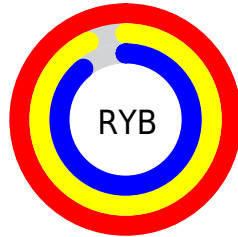
Distribution



Red (100%)

Green (92%)

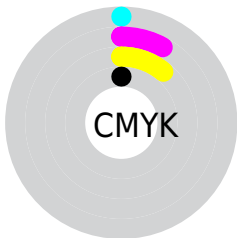
Blue (89%)



Red (100%)

Yellow (93%)

Blue (89%)

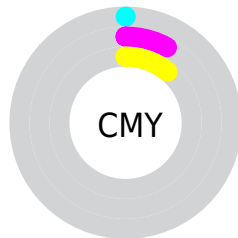


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7071, 0.3309, 0.3350 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 85.7071, 0.3309, 0.3350 by changing the saturation by 10% instead.

 85.7071, 0.3309,
0.3350

 85.7071, 0.3309,
0.3350


513.9649, 0.3227,
0.3324

 64.4258, 0.3327,
0.3356


141.3607, 0.3281,
0.3341

 46.9956, 0.3350,
0.3363


176.5017, 0.3270,
0.3338

 33.0322, 0.3378,
0.3371


217.0315, 0.3260,
0.3335

 22.1511, 0.3414,
0.3382

263.3344, 0.3252,
0.3332

 13.9680, 0.3462,
0.3396

315.7948, 0.3245,
0.3329

 8.0984, 0.3530,
0.3415

374.7971, 0.3238,

 4.1580, 0.3631,

0.3327

0.3442

440.7257, 0.3232,
0.3325

■ 1.7623, 0.3801,
0.3483

■ 0.4635, 0.5022,
0.3943

■ 85.7071, 0.3309,
0.3350

■ 85.7071, 0.3309,
0.3350

■ 73.7412, 0.3517,
0.3411

99.1504, 0.3136,
0.3293

■ 63.1909, 0.3768,
0.3474

99.9948, 0.3127,
0.3290

■ 54.0067, 0.4066,
0.3535

■ 46.1318, 0.4412,
0.3591

■ 39.5057, 0.4800,
0.3632

■ 34.0624, 0.5210,
0.3648

■ 29.7300, 0.5605,
0.3629

■ 26.4279, 0.5937,
0.3570

■ 24.1701, 0.6162,
0.3489

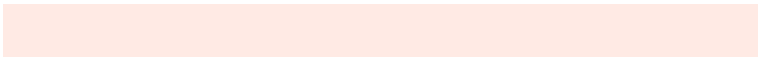
Harmonies

Analogous

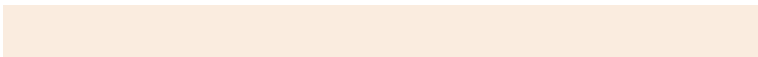
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7071, 0.3267, 0.3268



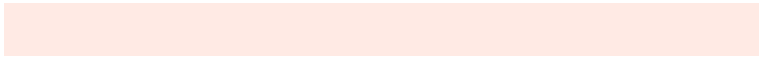
85.7071, 0.3309, 0.3350



85.7071, 0.3301, 0.3418

Triad

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



85.7071, 0.3309, 0.3350



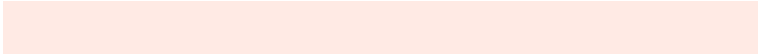
85.7071, 0.3066, 0.3390



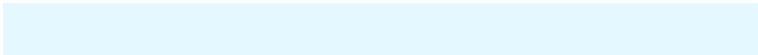
85.7071, 0.3008, 0.3131

Complementary

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



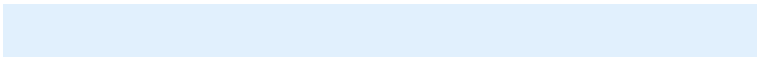
85.7071, 0.3309, 0.3350



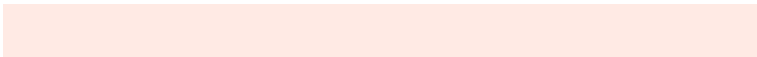
91.4346, 0.2963, 0.3229

Split Complementary

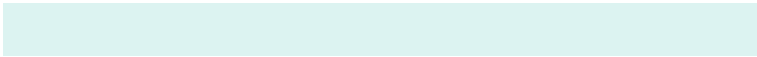
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7071, 0.2956, 0.3161



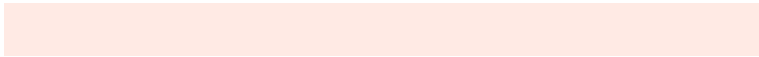
85.7071, 0.3309, 0.3350



85.7071, 0.2989, 0.3310

Square

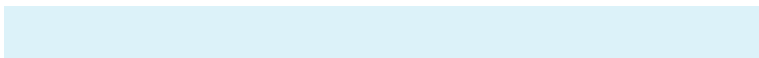
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7071, 0.3309, 0.3350



85.7071, 0.3160, 0.3443



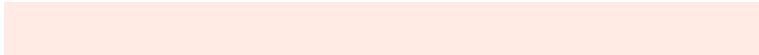
85.7071, 0.2949, 0.3226



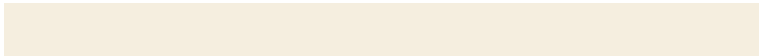
85.7071, 0.3092, 0.3143

Rectangle

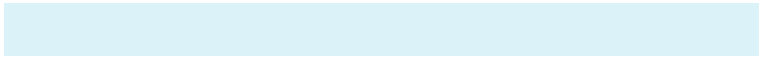
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



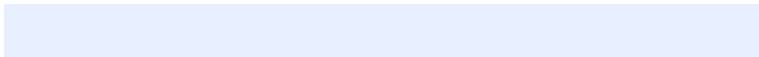
85.7071, 0.3309, 0.3350



85.7071, 0.3269, 0.3445



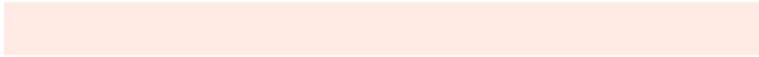
85.7071, 0.2949, 0.3226



85.7071, 0.2986, 0.3136

Sweetspot

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



85.7109, 0.3309, 0.3350



95.7836, 0.3175, 0.3307



83.5877, 0.3177, 0.3084



20.2653, 0.3188, 0.3311



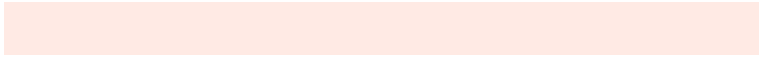
0.0000, 0.0000, 0.0000



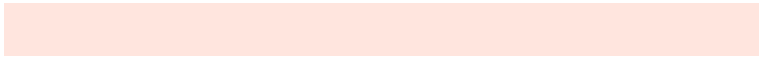
21.4041, 0.3127, 0.3290

Same Dimension

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



85.7109, 0.3309, 0.3350



82.7010, 0.3356, 0.3364



93.5794, 0.3294, 0.3479



18.6442, 0.3289, 0.3344



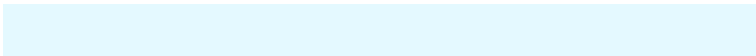
12.8128, 0.6136, 0.3510



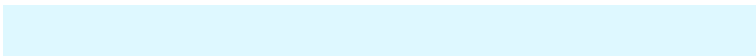
1.4018, 0.5925, 0.3678

Inverse Universe

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



91.4346, 0.2963, 0.3229



89.6172, 0.2926, 0.3214



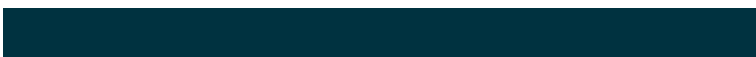
83.4958, 0.2961, 0.3093



19.7534, 0.2980, 0.3236



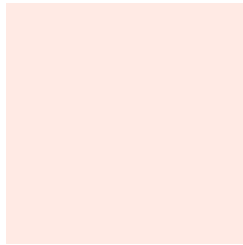
25.1343, 0.2042, 0.2552



2.6082, 0.2068, 0.2646

Previews

White Background



This preview shows how the Yxy color 85.7071, 0.3309, 0.3350 looks on a white background.

Color Contrast Check

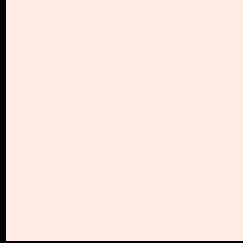
Large Text (above 18pt) WCAG AA × Fail

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 85.7071, 0.3309, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

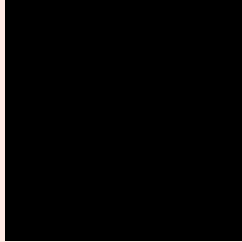
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

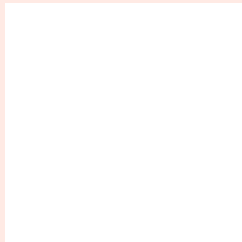
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7071, 0.3309, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 85.7071, 0.3309, 0.3350.

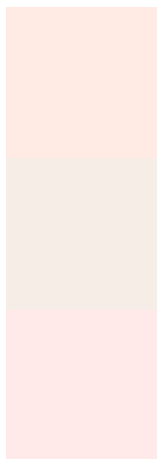


This preview shows how white text looks on a background with the Yxy color 85.7071, 0.3309, 0.3350.

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

85.7071, 0.3309, 0.3350

Protanopia

85.6940, 0.3225, 0.3361

Deuteranopia

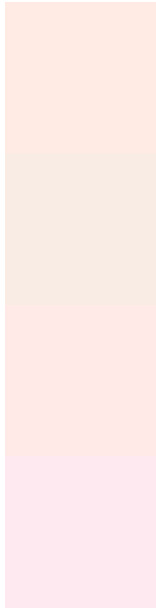
85.9888, 0.3277, 0.3300



Tritanopia

85.6886, 0.3188, 0.3144

Trichromacy



Original Color

85.7071, 0.3309, 0.3350

Protanomaly

85.7878, 0.3259, 0.3360

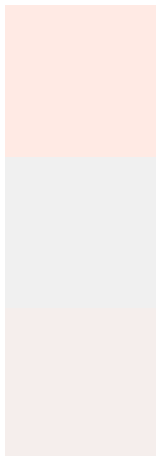
Deuteranomaly

85.8752, 0.3290, 0.3320

Tritanomaly

85.8291, 0.3232, 0.3222

Monochromacy



Original Color

85.7071, 0.3309, 0.3350

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.6177, 0.3186, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7071, 0.3309, 0.3350 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, 234, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 228)  
}
```

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, 234, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 228) }
```

Border

The CSS property to change the border of an element to Yxy 85.7071, 0.3309, 0.3350 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, 234, 228) }
```

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

```
.border{ border-color:rgb(255, 234, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7071, 0.3309, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 228) }
```

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

```
.background{ background-color: rgb(255,  
234, 228) }
```

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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