

Converting Colors

$Y_{xy}(100.0000, 0.3776, 0.3334)$

Have a look what the booklet for
Yxy(100.0000, 0.3776, 0.3334)
contains.

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Color

Yxy(85.1393, 0.3310, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9E4
RGB	255, 233, 228
RGB Percent	100%, 91%, 89%
CMY	0.0001, 0.0862, 0.1058
CMYK	0.00, 0.09, 0.11, 0.00
HSL	11°, 100%, 95%
HSV	11°, 11%, 100%
XYZ	84.3746, 85.1393, 85.3942
YIQ	239.0080, 14.7170, 3.1090

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 234, 228
Decimal	16771556
CIE Lab	93.94, 6.65, 5.12
CIE LCh	94, 8.388, 37.603
Yxy	85.1393, 0.3310, 0.3340
Android (android.graphics.Color)	4294961636 (0xFFFFE9E4)
YUV	239.0080, -5.4269, 14.0250
Hunter-Lab	92.2710, 1.7501, 9.7184

Details

The Yxy color **85.1393, 0.3310, 0.3340** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.0633, 0.2963, 0.3239**, and the grayscale version is **86.3577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4672, 0.3347, 0.3341** is the 20% darker color. If you saturate the color by 10%, you get **72.7555, 0.3521, 0.3391**, and if you desaturate by 10%, it is **99.1228, 0.3136, 0.3293**.

Distribution



Red (100%)

Green (91%)

Blue (89%)



Red (100%)

Yellow (92%)

Blue (89%)



Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1393, 0.3310, 0.3340 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 85.1393, 0.3310, 0.3340 by changing the saturation by 10% instead.


 85.1393, 0.3310,
0.3340

 85.1393, 0.3310,
0.3340

512.0889, 0.3227,
0.3318

 63.9565, 0.3328,
0.3345


140.5678, 0.3282,
0.3333

 46.6154, 0.3351,
0.3350


175.5822, 0.3271,
0.3330

 32.7317, 0.3379,
0.3357


215.9760, 0.3261,
0.3327

 21.9210, 0.3416,
0.3366

262.1336, 0.3253,
0.3325

 13.7989, 0.3464,
0.3378

314.4392, 0.3245,
0.3323

 7.9809, 0.3533,
0.3393

373.2774, 0.3239,

 4.0827, 0.3636,

0.3321

0.3415

439.0325, 0.3233,
0.3320

■ 1.7200, 0.3809,
0.3447

■ 0.4365, 0.5102,
0.3859

■ 85.1393, 0.3310,
0.3340

■ 85.1393, 0.3310,
0.3340

■ 72.7555, 0.3521,
0.3391

99.1228, 0.3136,
0.3293

■ 61.9034, 0.3777,
0.3443

99.9937, 0.3127,
0.3290

■ 52.5264, 0.4083,
0.3495

■ 44.5602, 0.4441,
0.3541

■ 37.9358, 0.4844,
0.3573

■ 32.5781, 0.5270,
0.3584

■ 28.4046, 0.5677,
0.3563

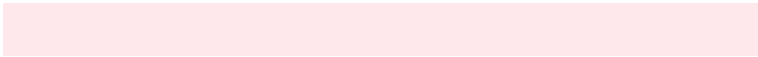
■ 25.3223, 0.6012,
0.3508

■ 23.3126, 0.6229,
0.3436

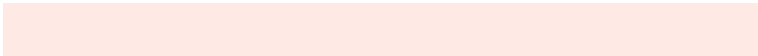
Harmonies

Analogous

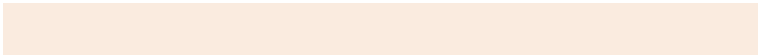
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1393, 0.3261, 0.3256



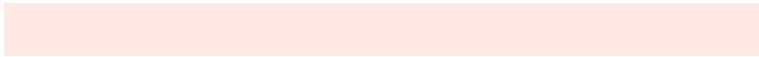
85.1393, 0.3310, 0.3340



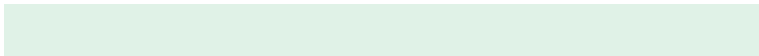
85.1393, 0.3310, 0.3412

Triad

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



85.1393, 0.3310, 0.3340



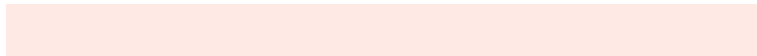
85.1393, 0.3078, 0.3402



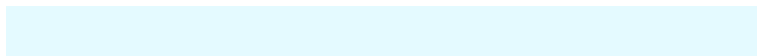
85.1393, 0.2995, 0.3129

Complementary

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



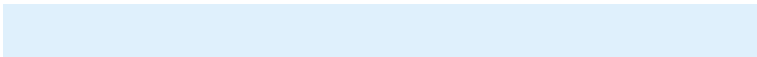
85.1393, 0.3310, 0.3340



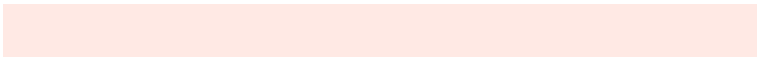
92.0633, 0.2963, 0.3239

Split Complementary

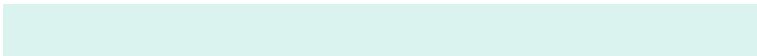
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1393, 0.2948, 0.3165



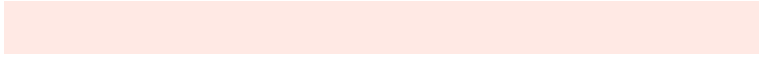
85.1393, 0.3310, 0.3340



85.1393, 0.2995, 0.3323

Square

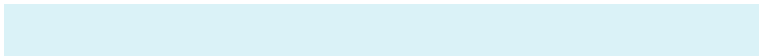
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1393, 0.3310, 0.3340



85.1393, 0.3174, 0.3450



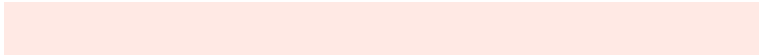
85.1393, 0.2948, 0.3236



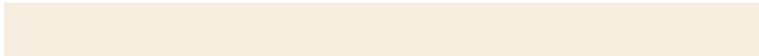
85.1393, 0.3078, 0.3136

Rectangle

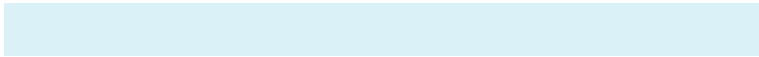
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



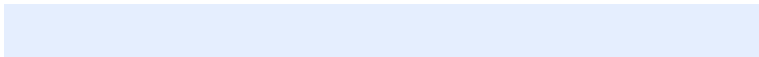
85.1393, 0.3310, 0.3340



85.1393, 0.3281, 0.3444



85.1393, 0.2948, 0.3236



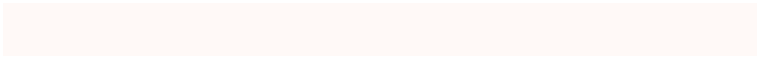
85.1393, 0.2975, 0.3137

Sweetspot

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



85.1431, 0.3310, 0.3340



95.6062, 0.3175, 0.3304



83.6519, 0.3171, 0.3076



20.2176, 0.3189, 0.3308



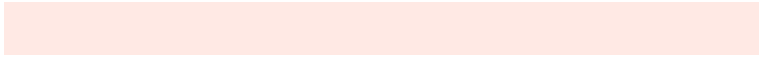
0.0000, 0.0000, 0.0000



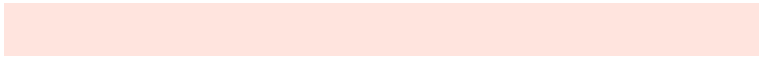
21.4041, 0.3127, 0.3290

Same Dimension

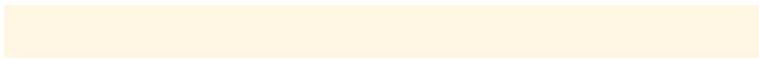
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1431, 0.3310, 0.3340



82.0141, 0.3358, 0.3352



93.0305, 0.3295, 0.3470



18.5323, 0.3290, 0.3335



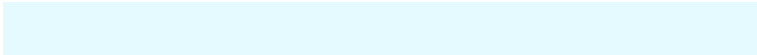
12.3403, 0.6205, 0.3455



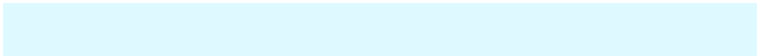
1.3405, 0.6005, 0.3614

Inverse Universe

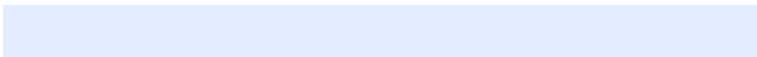
The Inverse Universe completely reimagines the original color for something new.



92.0633, 0.2963, 0.3239



90.3830, 0.2926, 0.3227



84.0217, 0.2962, 0.3103



19.8744, 0.2980, 0.3245



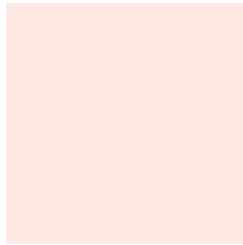
27.4671, 0.2079, 0.2683



2.8160, 0.2100, 0.2760

Previews

White Background



This preview shows how the Yxy color 85.1393, 0.3310, 0.3340 looks on a white background.

Color Contrast Check

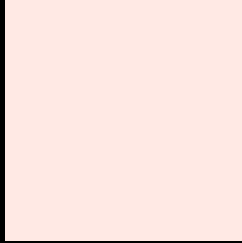
Large Text (above 18pt) WCAG AA × Fail

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 85.1393, 0.3310, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

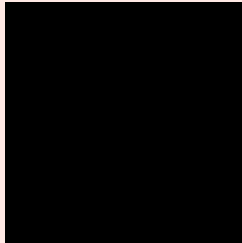
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

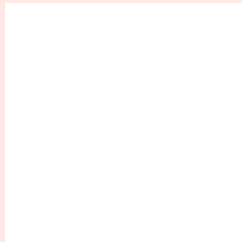
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1393, 0.3310, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 85.1393, 0.3310, 0.3340.

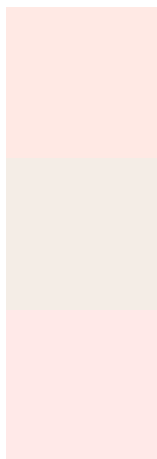


This preview shows how white text looks on a background with the Yxy color 85.1393, 0.3310, 0.3340.

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

85.1393, 0.3310, 0.3340

Protanopia

85.5146, 0.3218, 0.3361

Deuteranopia

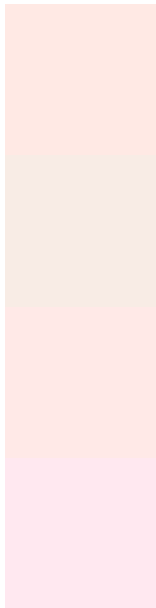
85.3640, 0.3284, 0.3300



Tritanopia

85.1272, 0.3189, 0.3134

Trichromacy



Original Color

85.1393, 0.3310, 0.3340

Protanomaly

85.6045, 0.3252, 0.3360

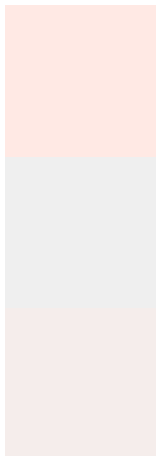
Deuteranomaly

85.3073, 0.3291, 0.3310

Tritanomaly

85.2645, 0.3233, 0.3212

Monochromacy



Original Color

85.1393, 0.3310, 0.3340

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.9790, 0.3193, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1393, 0.3310, 0.3340 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 228) }
```

Border

The CSS property to change the border of an element to Yxy 85.1393, 0.3310, 0.3340 is called "border". The border property can be set on classes, ids or directly on the HTML element.

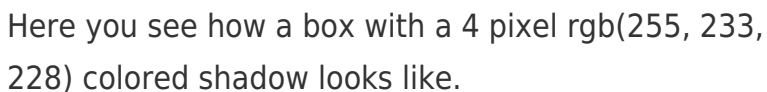
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 233, 228) }
```

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

```
.border{ border-color:rgb(255, 233, 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, 233, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 233, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 233, 228); box-shadow:4px 4px 4px 4px rgb(255, 233, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1393, 0.3310, 0.3340 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, 228) }
```

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

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