

Converting Colors

$Y_{xy}(112.6558, 0.4132, 0.3377)$

Have a look what the booklet for
Yxy(112.6558, 0.4132, 0.3377)
contains.

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Color

Yxy(84.7583, 0.3357, 0.3410)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FFE9DD |
| RGB | 255, 233, 221 |
| RGB Percent | 100%, 91%, 87% |
| CMY | 0.0000, 0.0863, 0.1334 |
| CMYK | 0.00, 0.09, 0.13, 0.00 |
| HSL | 21°, 100%, 93% |
| HSV | 21°, 13%, 100% |
| XYZ | 83.4409, 84.7583, 80.3588 |
| YIQ | 238.2100, 16.9640, 0.9320 |

Conversions

Conversions Part 2

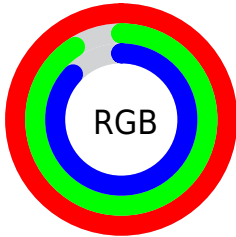
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 240, 221 |
| Decimal | 16771549 |
| CIE Lab | 93.78, 5.57, 8.53 |
| CIE LCh | 94, 10.193, 56.848 |
| Yxy | 84.7583, 0.3357, 0.3410 |
| Android (android.graphics.Color) | 4294961629 (0xFFFFE9DD) |
| YUV | 238.2100, -8.4845, 14.7248 |
| Hunter-Lab | 92.0643, 0.6681, 12.6934 |

Details

The Yxy color **84.7583, 0.3357, 0.3410** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6884, 0.2919, 0.3167**, and the grayscale version is **85.7226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2032, 0.3408, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **74.5868, 0.3564, 0.3506**, and if you desaturate by 10%, it is **95.9997, 0.3180, 0.3319**.

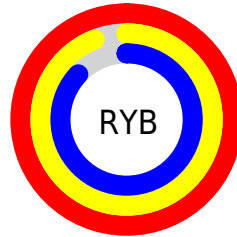
Distribution



Red (100%)

Green (91%)

Blue (87%)



Red (100%)

Yellow (94%)

Blue (87%)



Cyan (0%)

Magenta (9%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7583, 0.3357, 0.3410 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 84.7583, 0.3357, 0.3410 by changing the saturation by 10% instead.


 84.7583, 0.3357,
0.3410

 84.7583, 0.3357,
0.3410


510.8280, 0.3253,
0.3357

 63.6417, 0.3380,
0.3422


140.0354, 0.3321,
0.3392

 46.3605, 0.3409,
0.3436

174.9647, 0.3307,
0.3385

 32.5304, 0.3444,
0.3453


215.2671, 0.3295,
0.3379

 21.7670, 0.3490,
0.3475

261.3268, 0.3285,
0.3373

 13.6858, 0.3552,
0.3504

313.5284, 0.3275,
0.3368

 7.9024, 0.3638,
0.3544

372.2562, 0.3267,

 4.0326, 0.3767,

0.3364

0.3601

437.8946, 0.3260,
0.3360

■ 1.6918, 0.3983,
0.3689

■ 0.4183, 0.5606,
0.4394

■ 84.7583, 0.3357,
0.3410

■ 84.7583, 0.3357,
0.3410

■ 74.5868, 0.3564,
0.3506

■ 95.9997, 0.3180,
0.3319

■ 65.4671, 0.3807,
0.3604

100.0000, 0.3127,
0.3290

■ 57.3594, 0.4086,
0.3700

■ 50.2267, 0.4401,
0.3786

■ 44.0297, 0.4741,
0.3850

■ 38.7258, 0.5091,
0.3880

■ 34.2688, 0.5423,
0.3865

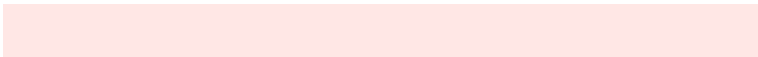
■ 30.6068, 0.5705,
0.3797

■ 28.5729, 0.5860,
0.3729

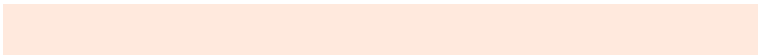
Harmonies

Analogous

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



84.7583, 0.3335, 0.3314



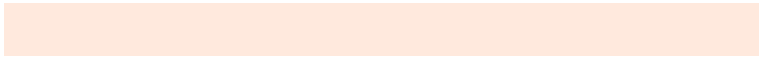
84.7583, 0.3357, 0.3410



84.7583, 0.3316, 0.3477

Triad

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



84.7583, 0.3357, 0.3410



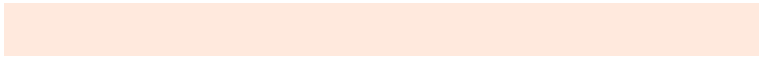
84.7583, 0.2999, 0.3367



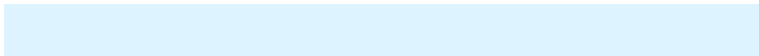
84.7583, 0.3028, 0.3094

Complementary

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



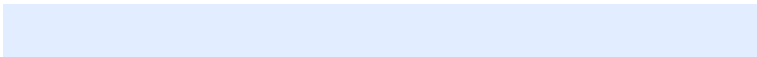
84.7583, 0.3357, 0.3410



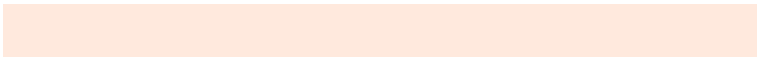
86.6884, 0.2919, 0.3167

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.



84.7583, 0.2940, 0.3104



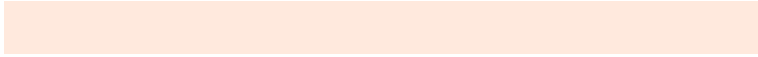
84.7583, 0.3357, 0.3410



84.7583, 0.2924, 0.3261

Square

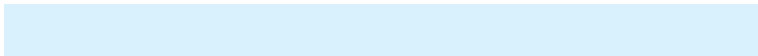
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7583, 0.3357, 0.3410



84.7583, 0.3108, 0.3454



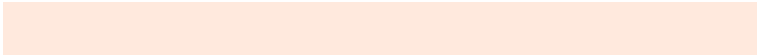
84.7583, 0.2903, 0.3164



84.7583, 0.3143, 0.3134

Rectangle

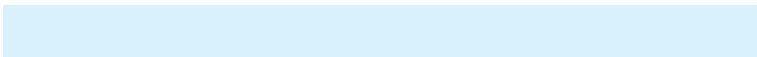
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7583, 0.3357, 0.3410



84.7583, 0.3259, 0.3494



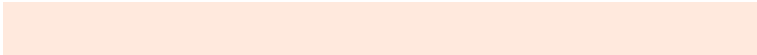
84.7583, 0.2903, 0.3164



84.7583, 0.2994, 0.3092

Sweetspot

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



84.7533, 0.3357, 0.3410



95.2215, 0.3191, 0.3325



79.4431, 0.3221, 0.3073



20.1932, 0.3203, 0.3332



0.0000, 0.0000, 0.0000



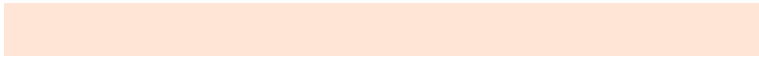
21.4041, 0.3127, 0.3290

Same Dimension

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



84.7533, 0.3357, 0.3410



81.9431, 0.3409, 0.3435



94.7877, 0.3334, 0.3573



19.0359, 0.3285, 0.3374



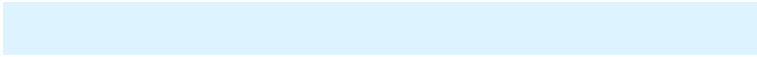
15.1831, 0.5830, 0.3753



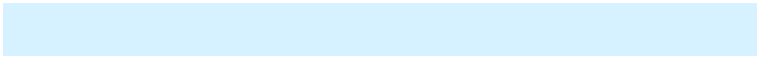
1.6748, 0.5613, 0.3925

Inverse Universe

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



86.6884, 0.2919, 0.3167



84.2200, 0.2878, 0.3140



77.0315, 0.2914, 0.2990



19.3392, 0.2980, 0.3204



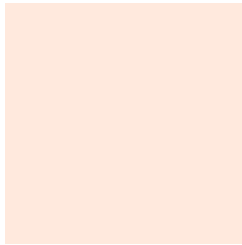
18.1247, 0.1914, 0.2088



1.9705, 0.1956, 0.2241

Previews

White Background



This preview shows how the Yxy color 84.7583, 0.3357, 0.3410 looks on a white background.

Color Contrast Check

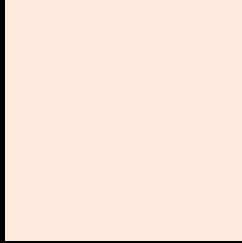
Large Text (above 18pt) WCAG AA × Fail

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 84.7583, 0.3357, 0.3410 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 84.7583, 0.3357, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 84.7583, 0.3357, 0.3410.

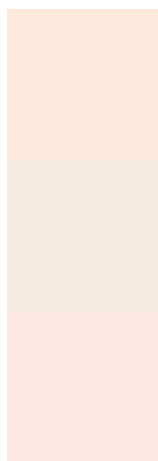


This preview shows how white text looks on a background with the Yxy color 84.7583, 0.3357, 0.3410.

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

84.7583, 0.3357, 0.3410

Protanopia

84.7311, 0.3270, 0.3422

Deuteranopia

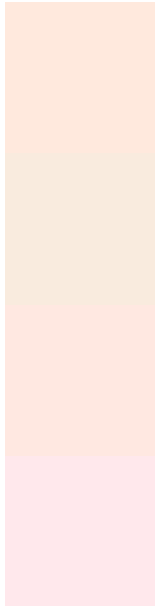
84.5747, 0.3311, 0.3330



Tritanopia

85.0044, 0.3202, 0.3154

Trichromacy



Original Color

84.7583, 0.3357, 0.3410

Protanomaly

84.8303, 0.3305, 0.3421

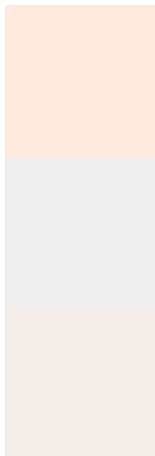
Deuteranomaly

84.4095, 0.3331, 0.3360

Tritanomaly

85.0294, 0.3259, 0.3251

Monochromacy



Original Color

84.7583, 0.3357, 0.3410

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.0502, 0.3206, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7583, 0.3357, 0.3410 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 221) }
```

Border

The CSS property to change the border of an element to Yxy 84.7583, 0.3357, 0.3410 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, 221) }
```

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

```
.border{ border-color:rgb(255, 233, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7583, 0.3357, 0.3410 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
233, 221) }
```

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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