

Converting Colors

$Y_{xy}(90.3384, 0.3587, 0.3394)$

Have a look what the booklet for
Yxy(90.3384, 0.3587, 0.3394)
contains.

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Color

Yxy(83.5791, 0.3366, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7DC
RGB	255, 231, 220
RGB Percent	100%, 91%, 86%
CMY	0.0000, 0.0941, 0.1372
CMYK	0.00, 0.09, 0.14, 0.00
HSL	19°, 100%, 93%
HSV	19°, 14%, 100%
XYZ	82.7433, 83.5791, 79.4985
YIQ	236.9220, 17.8350, 1.6670

Conversions

Conversions Part 2

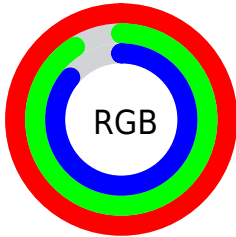
Format	Color
R _Y B	255, 236, 220
Decimal	16771036
CIE Lab	93.27, 6.44, 8.30
CIE LCh	93, 10.505, 52.186
Yxy	83.5791, 0.3366, 0.3400
Android (android.graphics.Color)	4294961116 (0xFFFFE7DC)
YUV	236.9220, -8.3425, 15.8544
Hunter-Lab	91.4216, 1.5679, 12.4377

Details

The Yxy color **83.5791, 0.3366, 0.3400** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.1595, 0.2914, 0.3177**, and the grayscale version is **84.6795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3823, 0.3421, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **73.0160, 0.3578, 0.3486**, and if you desaturate by 10%, it is **95.3260, 0.3186, 0.3319**.

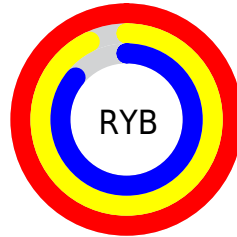
Distribution



Red (100%)

Green (91%)

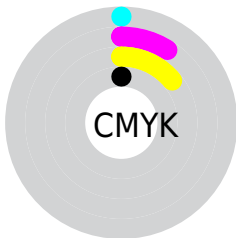
Blue (86%)



Red (100%)

Yellow (93%)

Blue (86%)

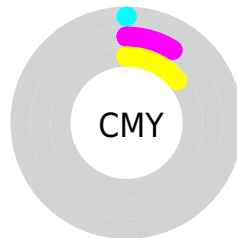


Cyan (0%)

Magenta (9%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5791, 0.3366, 0.3400 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 83.5791, 0.3366, 0.3400 by changing the saturation by 10% instead.


 83.5791, 0.3366,
0.3400

 83.5791, 0.3366,
0.3400


506.9145, 0.3258,
0.3351

 62.6680, 0.3390,
0.3411


138.3862, 0.3329,
0.3384

 45.5727, 0.3420,
0.3423


173.0511, 0.3314,
0.3377

 31.9087, 0.3457,
0.3439


213.0693, 0.3302,
0.3371

 21.2918, 0.3506,
0.3460

258.8252, 0.3291,
0.3366

 13.3375, 0.3570,
0.3486

310.7033, 0.3281,
0.3362

 7.6613, 0.3661,
0.3522

369.0880, 0.3272,

 3.8790, 0.3799,

0.3358

0.3573

434.3636, 0.3265,
0.3355

1.6061, 0.4030,
0.3651

0.3617, 0.5807,
0.4193

83.5791, 0.3366,
0.3400

83.5791, 0.3366,
0.3400

73.0160, 0.3578,
0.3486

95.3260, 0.3186,
0.3319

63.6017, 0.3829,
0.3574

100.0000, 0.3127,
0.3290

55.2952, 0.4119,
0.3659

48.0541, 0.4448,
0.3733

■ 41.8331, 0.4807,
0.3788

■ 36.5831, 0.5176,
0.3809

■ 32.2509, 0.5524,
0.3785

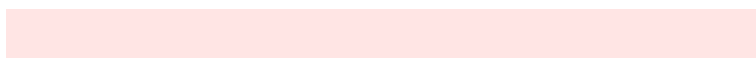
■ 28.7762, 0.5814,
0.3712

■ 26.9944, 0.5961,
0.3649

Harmonies

Analogous

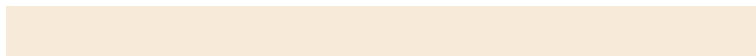
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5791, 0.3333, 0.3298



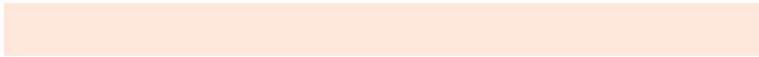
83.5791, 0.3366, 0.3400



83.5791, 0.3333, 0.3475

Triad

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



83.5791, 0.3366, 0.3400



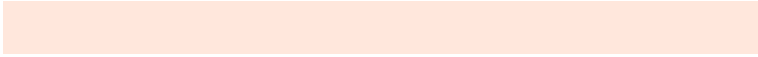
83.5791, 0.3010, 0.3386



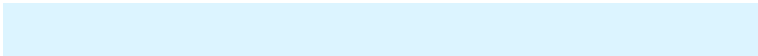
83.5791, 0.3007, 0.3085

Complementary

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



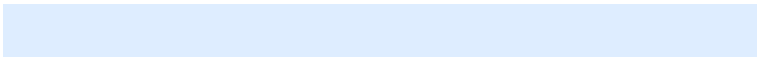
83.5791, 0.3366, 0.3400



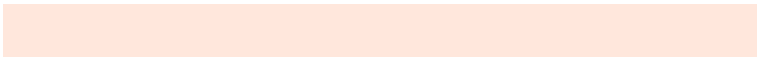
87.1595, 0.2914, 0.3177

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.



83.5791, 0.2924, 0.3104



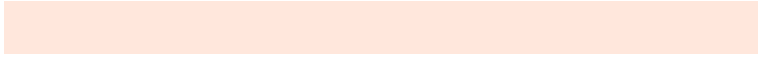
83.5791, 0.3366, 0.3400



83.5791, 0.2925, 0.3277

Square

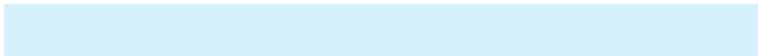
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5791, 0.3366, 0.3400



83.5791, 0.3127, 0.3470



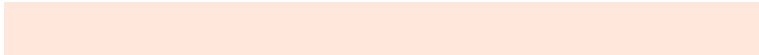
83.5791, 0.2894, 0.3173



83.5791, 0.3124, 0.3119

Rectangle

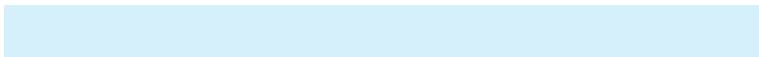
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5791, 0.3366, 0.3400



83.5791, 0.3280, 0.3500



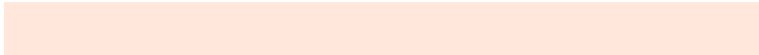
83.5791, 0.2894, 0.3173



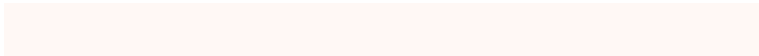
83.5791, 0.2975, 0.3086

Sweetspot

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



83.5781, 0.3366, 0.3400



94.9747, 0.3191, 0.3321



79.0227, 0.3213, 0.3050



20.1309, 0.3204, 0.3327



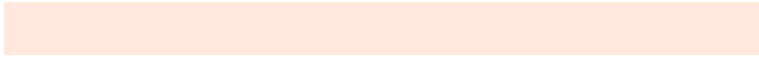
0.0000, 0.0000, 0.0000



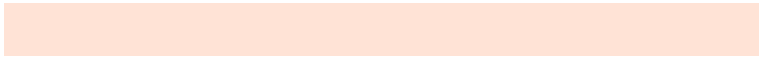
21.4041, 0.3127, 0.3290

Same Dimension

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



83.5781, 0.3366, 0.3400



81.0617, 0.3411, 0.3419



93.5667, 0.3343, 0.3565



18.9166, 0.3286, 0.3365



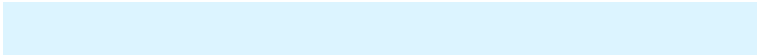
14.3390, 0.5932, 0.3672



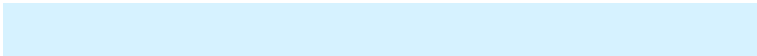
1.5818, 0.5711, 0.3847

Inverse Universe

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



87.1595, 0.2914, 0.3177



85.1715, 0.2878, 0.3157



77.3893, 0.2909, 0.2999



19.4638, 0.2980, 0.3214



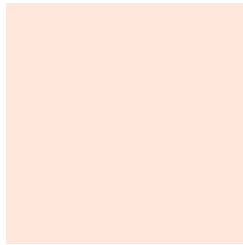
20.0764, 0.1953, 0.2230



2.1505, 0.1990, 0.2365

Previews

White Background



This preview shows how the Yxy color 83.5791, 0.3366, 0.3400 looks on a white background.

Color Contrast Check

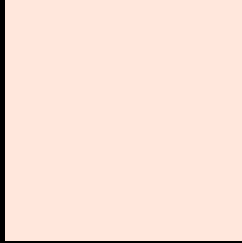
Large Text (above 18pt) WCAG AA × Fail

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 83.5791, 0.3366, 0.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

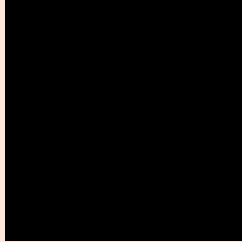
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

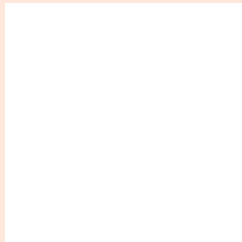
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5791, 0.3366, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 83.5791, 0.3366, 0.3400.

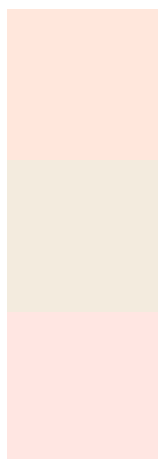


This preview shows how white text looks on a background with the Yxy color 83.5791, 0.3366, 0.3400.

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

83.5791, 0.3366, 0.3400

Protanopia

83.7453, 0.3264, 0.3423

Deuteranopia

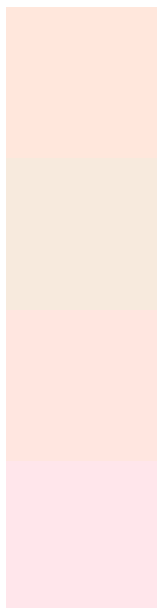
83.3446, 0.3327, 0.3330



Tritanopia

83.8303, 0.3209, 0.3144

Trichromacy



Original Color

83.5791, 0.3366, 0.3400

Protanomaly

83.8403, 0.3299, 0.3422

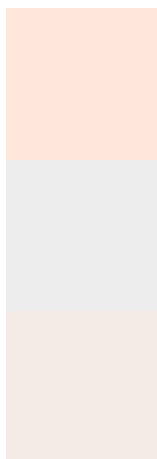
Deuteranomaly

83.2354, 0.3341, 0.3350

Tritanomaly

83.8518, 0.3267, 0.3241

Monochromacy



Original Color

83.5791, 0.3366, 0.3400

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.4193, 0.3213, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5791, 0.3366, 0.3400 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, 231, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 220)  
}
```

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, 231, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 220) }
```

Border

The CSS property to change the border of an element to Yxy 83.5791, 0.3366, 0.3400 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, 231, 220) }
```

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

```
.border{ border-color:rgb(255, 231, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 231, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 231, 220); box-shadow:4px 4px 4px 4px rgb(255, 231, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5791, 0.3366, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 220) }
```

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

```
.background{ background-color: rgb(255,  
231, 220) }
```

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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