

Converting Colors

$Y_{xy}(95.2772, 0.3602, 0.3349)$

Have a look what the booklet for
Yxy(95.2772, 0.3602, 0.3349)
contains.

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Color

Yxy(86.2781, 0.3308, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBE4
RGB	255, 235, 228
RGB Percent	100%, 92%, 89%
CMY	0.0001, 0.0784, 0.1060
CMYK	0.00, 0.08, 0.11, 0.00
HSL	16°, 100%, 95%
HSV	16°, 11%, 100%
XYZ	84.9428, 86.2781, 85.5591
YIQ	240.1820, 14.1670, 2.0630

Conversions

Conversions Part 2

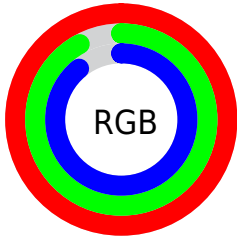
Format	Color
R _Y B	255, 237, 228
Decimal	16772068
CIE Lab	94.43, 5.62, 5.84
CIE LCh	94, 8.104, 46.113
Yxy	86.2781, 0.3308, 0.3360
Android (android.graphics.Color)	4294962148 (0xFFFFE4E4)
YUV	240.1820, -6.0057, 12.9954
Hunter-Lab	92.8860, 0.6850, 10.4070

Details

The Yxy color **86.2781, 0.3308, 0.3360** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.8072, 0.2963, 0.3219**, and the grayscale version is **87.3265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2631, 0.3344, 0.3366** is the 20% darker color. If you saturate the color by 10%, you get **74.7388, 0.3514, 0.3431**, and if you desaturate by 10%, it is **99.1779, 0.3136, 0.3294**.

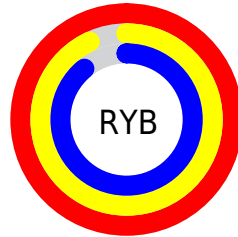
Distribution



Red (100%)

Green (92%)

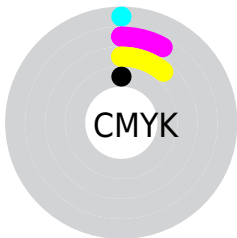
Blue (89%)



Red (100%)

Yellow (93%)

Blue (89%)

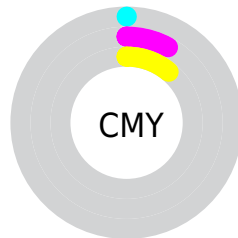


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2781, 0.3308, 0.3360 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 86.2781, 0.3308, 0.3360 by changing the saturation by 10% instead.


 86.2781, 0.3308,
0.3360

 86.2781, 0.3308,
0.3360


515.8478, 0.3226,
0.3329

 64.8980, 0.3326,
0.3367


142.1575, 0.3280,
0.3350

 47.3783, 0.3348,
0.3375


177.4256, 0.3269,
0.3345

 33.3349, 0.3376,
0.3385


218.0917, 0.3260,
0.3342

 22.3831, 0.3412,
0.3397

264.5404, 0.3251,
0.3339

 14.1387, 0.3459,
0.3414

317.1559, 0.3244,
0.3336

 8.2172, 0.3526,
0.3437

376.3227, 0.3238,

 4.2342, 0.3626,

0.3333

0.3469

442.4252, 0.3232,
0.3331

■ 1.8054, 0.3793,
0.3519

■ 0.4906, 0.4947,
0.4022

■ 86.2781, 0.3308,
0.3360

■ 86.2781, 0.3308,
0.3360

■ 74.7388, 0.3514,
0.3431

99.1779, 0.3136,
0.3294

■ 64.5039, 0.3759,
0.3504

99.9956, 0.3127,
0.3290

■ 55.5303, 0.4049,
0.3576

■ 47.7679, 0.4383,
0.3641

■ 41.1634, 0.4756,
0.3690

■ 35.6593, 0.5149,
0.3713

■ 31.1927, 0.5530,
0.3697

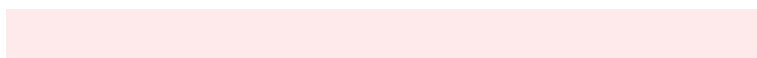
■ 27.6935, 0.5856,
0.3637

■ 25.2058, 0.6085,
0.3550

Harmonies

Analogous

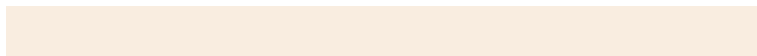
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2781, 0.3273, 0.3280



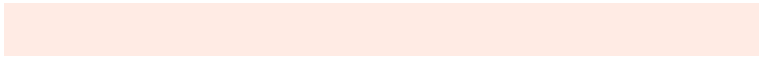
86.2781, 0.3308, 0.3360



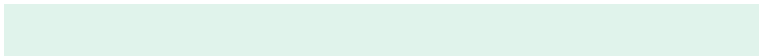
86.2781, 0.3293, 0.3423

Triad

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



86.2781, 0.3308, 0.3360



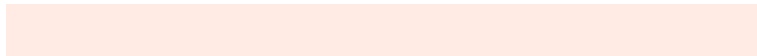
86.2781, 0.3055, 0.3378



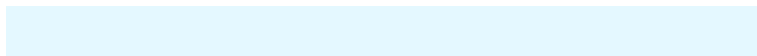
86.2781, 0.3020, 0.3133

Complementary

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



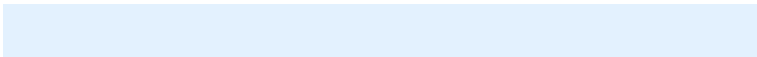
86.2781, 0.3308, 0.3360



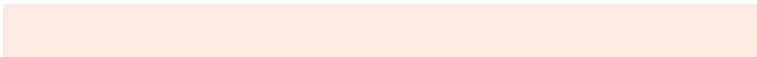
90.8072, 0.2963, 0.3219

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.



86.2781, 0.2963, 0.3156



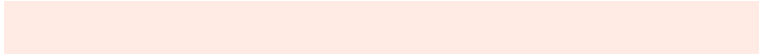
86.2781, 0.3308, 0.3360



86.2781, 0.2983, 0.3298

Square

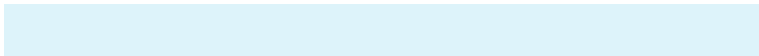
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2781, 0.3308, 0.3360



86.2781, 0.3146, 0.3435



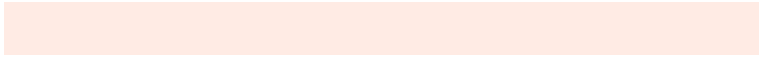
86.2781, 0.2950, 0.3216



86.2781, 0.3106, 0.3151

Rectangle

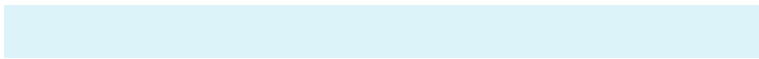
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2781, 0.3308, 0.3360



86.2781, 0.3258, 0.3446



86.2781, 0.2950, 0.3216



86.2781, 0.2997, 0.3136

Sweetspot

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



86.2819, 0.3308, 0.3360



95.9612, 0.3175, 0.3309



83.5227, 0.3183, 0.3093



20.3131, 0.3188, 0.3315



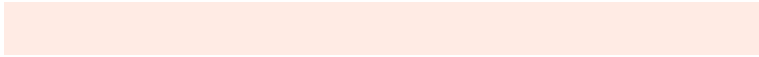
0.0000, 0.0000, 0.0000



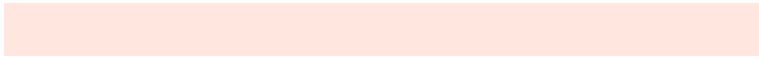
21.4041, 0.3127, 0.3290

Same Dimension

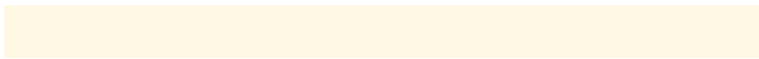
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2819, 0.3308, 0.3360



83.3928, 0.3354, 0.3377



94.1307, 0.3293, 0.3488



18.7567, 0.3288, 0.3353



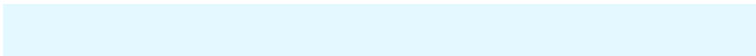
13.3771, 0.6057, 0.3572



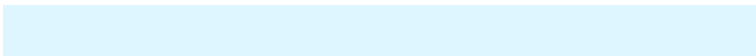
1.4707, 0.5839, 0.3746

Inverse Universe

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



90.8072, 0.2963, 0.3219



88.8565, 0.2926, 0.3202



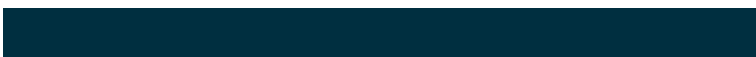
82.9707, 0.2961, 0.3084



19.6329, 0.2980, 0.3227



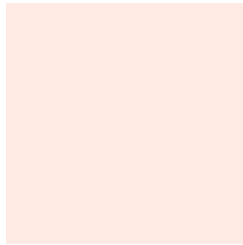
22.9411, 0.2006, 0.2420



2.4111, 0.2036, 0.2531

Previews

White Background



This preview shows how the Yxy color 86.2781, 0.3308, 0.3360 looks on a white background.

Color Contrast Check

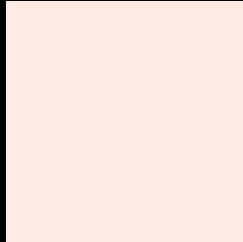
Large Text (above 18pt) WCAG AA × Fail

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 86.2781, 0.3308, 0.3360 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 86.2781, 0.3308, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 86.2781, 0.3308, 0.3360.

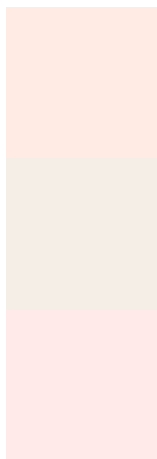


This preview shows how white text looks on a background with the Yxy color 86.2781, 0.3308, 0.3360.

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

86.2781, 0.3308, 0.3360

Protanopia

86.2747, 0.3224, 0.3371

Deuteranopia

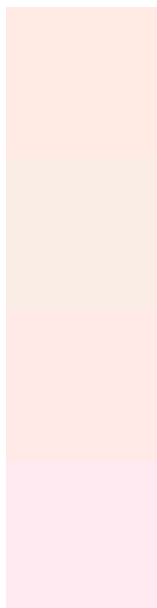
85.9888, 0.3277, 0.3300



Tritanopia

86.3151, 0.3181, 0.3144

Trichromacy



Original Color

86.2781, 0.3308, 0.3360

Protanomaly

86.3653, 0.3258, 0.3370

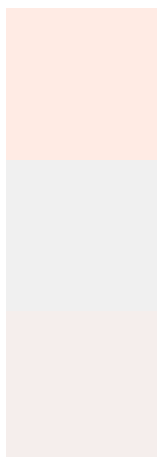
Deuteranomaly

85.8752, 0.3290, 0.3320

Tritanomaly

86.4565, 0.3225, 0.3222

Monochromacy



Original Color

86.2781, 0.3308, 0.3360

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 86.2781, 0.3308, 0.3360 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, 235, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 228) }
```

Border

The CSS property to change the border of an element to Yxy 86.2781, 0.3308, 0.3360 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, 235, 228) }
```

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

```
.border{ border-color:rgb(255, 235, 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, 235, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2781, 0.3308, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 228) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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