

Converting Colors

$Y_{xy}(100.0000, 0.3725, 0.3400)$

Have a look what the booklet for
Yxy(100.0000, 0.3725, 0.3400)
contains.

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Color

Yxy(87.2646, 0.3325, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDE1
RGB	255, 237, 225
RGB Percent	100%, 93%, 88%
CMY	0.0000, 0.0706, 0.1176
CMYK	0.00, 0.07, 0.12, 0.00
HSL	24°, 100%, 94%
HSV	24°, 12%, 100%
XYZ	85.1143, 87.2646, 83.6040
YIQ	241.0140, 14.5800, 0.0840

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 245, 225
Decimal	16772577
CIE Lab	94.85, 4.13, 7.98
CIE LCh	95, 8.988, 62.611
Yxy	87.2646, 0.3325, 0.3409
Android (android.graphics.Color)	4294962657 (0xFFFFE1E1)
YUV	241.0140, -7.8949, 12.2657
Hunter-Lab	93.4155, -0.8392, 12.3281

Details

The Yxy color **87.2646, 0.3325, 0.3409** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.3337, 0.2944, 0.3168**, and the grayscale version is **88.0319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9558, 0.3366, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **77.4933, 0.3524, 0.3517**, and if you desaturate by 10%, it is **98.0075, 0.3154, 0.3307**.

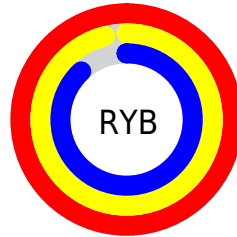
Distribution



Red (100%)

Green (93%)

Blue (88%)



Red (100%)

Yellow (96%)

Blue (88%)



Cyan (0%)

Magenta (7%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2646, 0.3325, 0.3409 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 87.2646, 0.3325, 0.3409 by changing the saturation by 10% instead.


 87.2646, 0.3325,
0.3409

 87.2646, 0.3325,
0.3409

519.0919, 0.3236,
0.3356

 65.7142, 0.3345,
0.3421

143.5329, 0.3295,
0.3391

 48.0404, 0.3369,
0.3434

179.0196, 0.3283,
0.3384

 33.8589, 0.3399,
0.3452


219.9205, 0.3272,
0.3378

 22.7852, 0.3438,
0.3474

266.6200, 0.3263,
0.3373

 14.4350, 0.3489,
0.3503

319.5025, 0.3255,
0.3368

 8.4238, 0.3561,
0.3542

378.9524, 0.3248,

 4.3673, 0.3668,

0.3364

0.3600

445.3541, 0.3242,
0.3360

■ 1.8811, 0.3844,
0.3689

■ 0.5370, 0.5203,
0.4570

■ 87.2646, 0.3325,
0.3409

■ 87.2646, 0.3325,
0.3409

■ 77.4933, 0.3524,
0.3517

■ 98.0075, 0.3154,
0.3307

■ 68.6540, 0.3754,
0.3627

99.9986, 0.3127,
0.3290

■ 60.7211, 0.4017,
0.3736

■ 53.6637, 0.4311,
0.3836

■ 47.4486, 0.4628,
0.3916

■ 42.0402, 0.4955,
0.3963

■ 37.3999, 0.5269,
0.3964

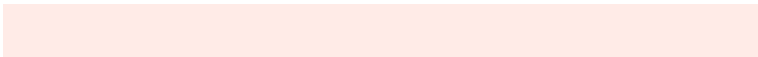
■ 33.4842, 0.5543,
0.3911

■ 30.7591, 0.5730,
0.3832

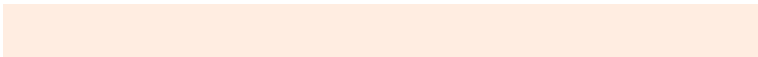
Harmonies

Analogous

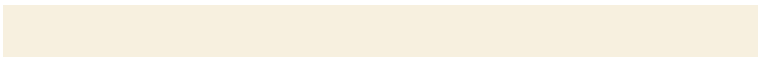
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2646, 0.3316, 0.3328



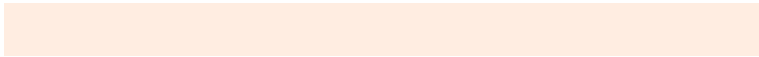
87.2646, 0.3325, 0.3409



87.2646, 0.3280, 0.3460

Triad

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



87.2646, 0.3325, 0.3409



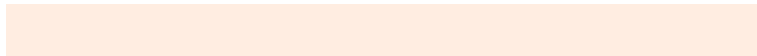
87.2646, 0.2999, 0.3340



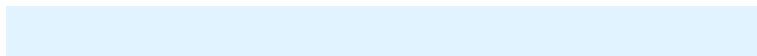
87.2646, 0.3059, 0.3122

Complementary

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



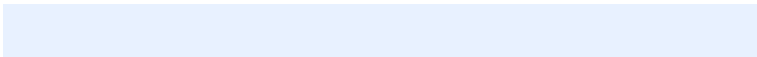
87.2646, 0.3325, 0.3409



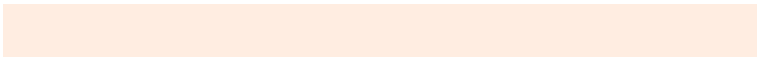
87.3337, 0.2944, 0.3168

Split Complementary

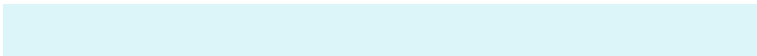
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2646, 0.2976, 0.3123



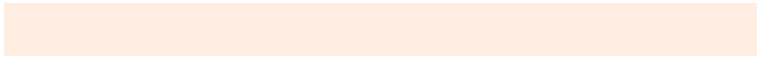
87.2646, 0.3325, 0.3409



87.2646, 0.2942, 0.3247

Square

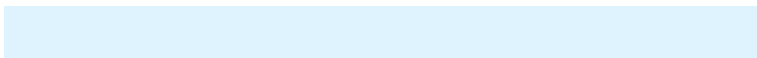
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2646, 0.3325, 0.3409



87.2646, 0.3091, 0.3421



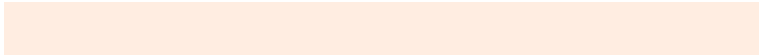
87.2646, 0.2933, 0.3168



87.2646, 0.3161, 0.3165

Rectangle

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



87.2646, 0.3325, 0.3409



87.2646, 0.3226, 0.3469



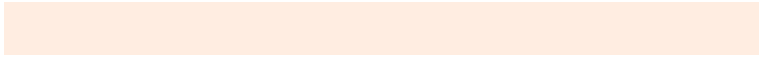
87.2646, 0.2933, 0.3168



87.2646, 0.3027, 0.3117

Sweetspot

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



87.2685, 0.3325, 0.3409



95.5174, 0.3190, 0.3329



81.6206, 0.3216, 0.3109



20.2680, 0.3203, 0.3337



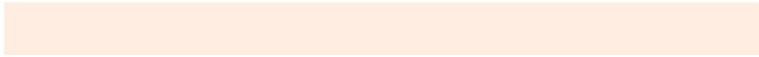
0.0000, 0.0000, 0.0000



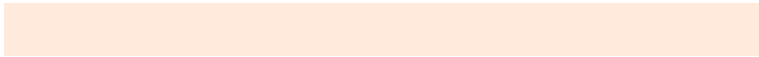
21.4041, 0.3127, 0.3290

Same Dimension

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



87.2685, 0.3325, 0.3409



84.9964, 0.3367, 0.3433



96.0003, 0.3308, 0.3548



19.1794, 0.3284, 0.3386



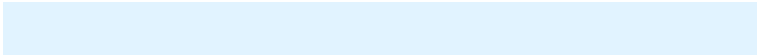
16.3460, 0.5701, 0.3856



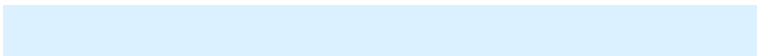
1.7984, 0.5492, 0.4021

Inverse Universe

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



87.3337, 0.2944, 0.3168



85.0723, 0.2908, 0.3143



79.0010, 0.2941, 0.3018



19.1909, 0.2979, 0.3193



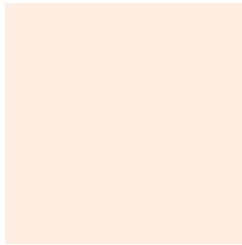
15.9786, 0.1867, 0.1920



1.7697, 0.1915, 0.2092

Previews

White Background



This preview shows how the Yxy color 87.2646, 0.3325, 0.3409 looks on a white background.

Color Contrast Check

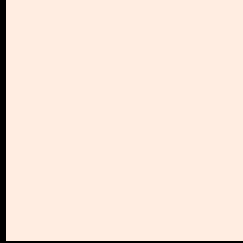
Large Text (above 18pt) WCAG AA × Fail

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 87.2646, 0.3325, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

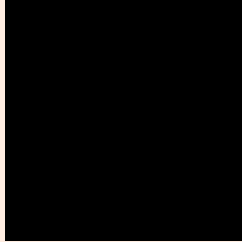
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.2646, 0.3325, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 87.2646, 0.3325, 0.3409.

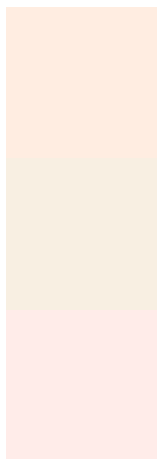


This preview shows how white text looks on a background with the Yxy color 87.2646, 0.3325, 0.3409.

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

87.2646, 0.3325, 0.3409

Protanopia

87.1804, 0.3268, 0.3421

Deuteranopia

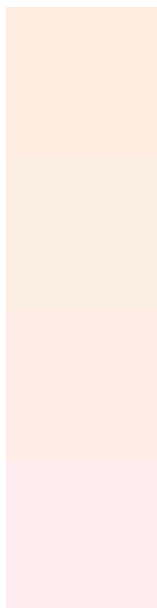
87.1341, 0.3275, 0.3320



Tritanopia

87.5162, 0.3174, 0.3154

Trichromacy



Original Color

87.2646, 0.3325, 0.3409

Protanomaly

87.1493, 0.3290, 0.3410

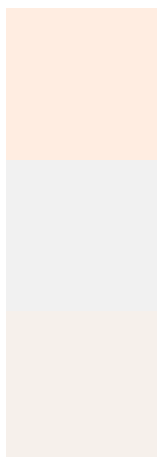
Deuteranomaly

86.9641, 0.3294, 0.3350

Tritanomaly

87.5422, 0.3230, 0.3251

Monochromacy



Original Color

87.2646, 0.3325, 0.3409

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9112, 0.3198, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2646, 0.3325, 0.3409 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, 237, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 225)  
}
```

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, 237, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 225) }
```

Border

The CSS property to change the border of an element to Yxy 87.2646, 0.3325, 0.3409 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, 237, 225) }
```

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

```
.border{ border-color:rgb(255, 237, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2646, 0.3325, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 225) }
```

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

```
.background{ background-color: rgb(255,  
237, 225) }
```

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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