

Converting Colors

$Y_{xy}(102.3708, 0.3789, 0.3405)$

Have a look what the booklet for
Yxy(102.3708, 0.3789, 0.3405)
contains.

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Color

Yxy(87.7909, 0.3330, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEEE
RGB	255, 238, 224
RGB Percent	100%, 93%, 88%
CMY	0.0002, 0.0666, 0.1215
CMYK	0.00, 0.07, 0.12, 0.00
HSL	27°, 100%, 94%
HSV	27°, 12%, 100%
XYZ	85.2563, 87.7909, 82.9776
YIQ	241.4870, 14.6260, -0.7500

Conversions

Conversions Part 2

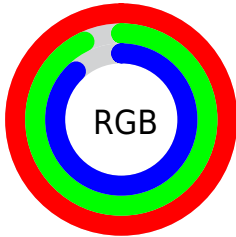
Format	Color
R _Y B	255, 250, 224
Decimal	16772832
CIE Lab	95.07, 3.44, 8.82
CIE LCh	95, 9.471, 68.677
Yxy	87.7909, 0.3330, 0.3429
Android (android.graphics.Color)	4294962912 (0xFFFFEE0)
YUV	241.4870, -8.6211, 11.8509
Hunter-Lab	93.6968, -1.5493, 13.0807

Details

The Yxy color **87.7909, 0.3330, 0.3429** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9395, 0.2938, 0.3147**, and the grayscale version is **88.4258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3262, 0.3373, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **78.7021, 0.3526, 0.3551**, and if you desaturate by 10%, it is **97.7242, 0.3160, 0.3314**.

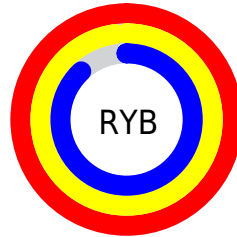
Distribution



Red (100%)

Green (93%)

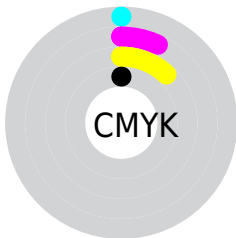
Blue (88%)



Red (100%)

Yellow (98%)

Blue (88%)

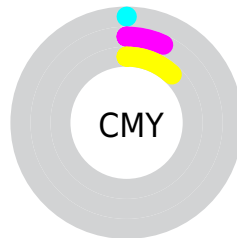


Cyan (0%)

Magenta (7%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7909, 0.3330, 0.3429 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 87.7909, 0.3330, 0.3429 by changing the saturation by 10% instead.

 87.7909, 0.3330,
0.3429

 87.7909, 0.3330,
0.3429


520.8182, 0.3239,
0.3367

 66.1499, 0.3350,
0.3442

144.2660, 0.3299,
0.3408

 48.3941, 0.3375,
0.3459


179.8689, 0.3287,
0.3400

 34.1391, 0.3406,
0.3479


220.8946, 0.3276,
0.3393

 23.0005, 0.3445,
0.3505

267.7274, 0.3267,
0.3386

 14.5939, 0.3497,
0.3539

320.7518, 0.3259,
0.3381

 8.5348, 0.3570,
0.3585

380.3521, 0.3251,

 4.4390, 0.3679,

0.3376

0.3653

446.9128, 0.3245,
0.3371

■ 1.9221, 0.3856,
0.3759

■ 0.5616, 0.5238,
0.4762

■ 87.7909, 0.3330,
0.3429

■ 87.7909, 0.3330,
0.3429

■ 78.7021, 0.3526,
0.3551

■ 97.7242, 0.3160,
0.3314

■ 70.4229, 0.3749,
0.3675

99.9908, 0.3127,
0.3290

■ 62.9325, 0.4001,
0.3798

■ 56.2050, 0.4279,
0.3910

■ 50.2127, 0.4575,
0.4001

■ 44.9257, 0.4876,
0.4059

■ 40.3114, 0.5162,
0.4069

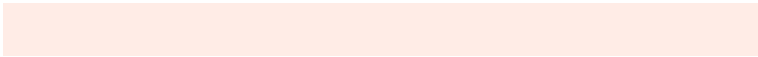
■ 36.3333, 0.5411,
0.4024

■ 33.6177, 0.5576,
0.3954

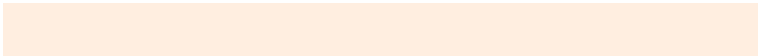
Harmonies

Analogous

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



87.7909, 0.3333, 0.3349



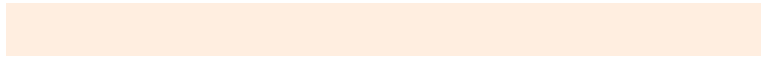
87.7909, 0.3330, 0.3429



87.7909, 0.3272, 0.3474

Triad

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



87.7909, 0.3330, 0.3429



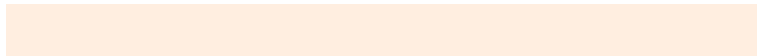
87.7909, 0.2977, 0.3323



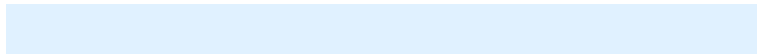
87.7909, 0.3076, 0.3119

Complementary

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



87.7909, 0.3330, 0.3429



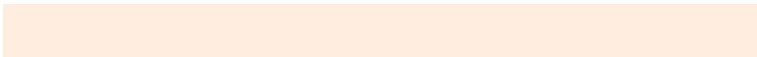
85.9395, 0.2938, 0.3147

Split Complementary

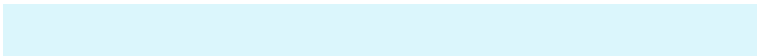
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7909, 0.2982, 0.3110



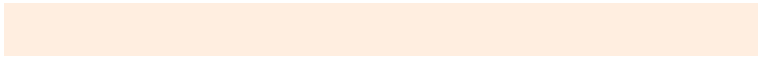
87.7909, 0.3330, 0.3429



87.7909, 0.2926, 0.3226

Square

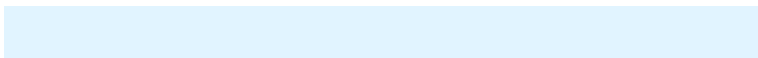
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7909, 0.3330, 0.3429



87.7909, 0.3068, 0.3413



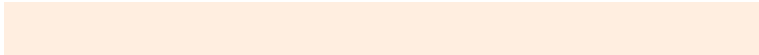
87.7909, 0.2928, 0.3148



87.7909, 0.3185, 0.3172

Rectangle

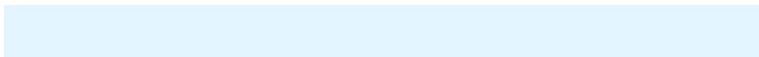
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7909, 0.3330, 0.3429



87.7909, 0.3211, 0.3476



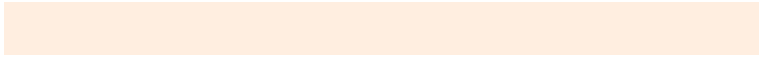
87.7909, 0.2928, 0.3148



87.7909, 0.3042, 0.3111

Sweetspot

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



87.7948, 0.3330, 0.3429



95.8512, 0.3190, 0.3335



80.9191, 0.3232, 0.3123



20.3524, 0.3202, 0.3343



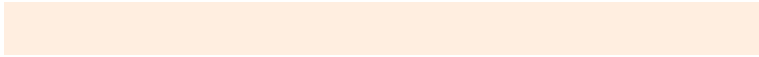
0.0000, 0.0000, 0.0000



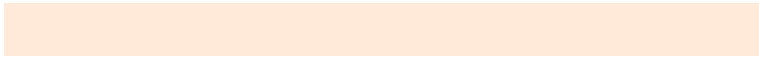
21.4041, 0.3127, 0.3290

Same Dimension

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



87.7948, 0.3330, 0.3429



85.1437, 0.3383, 0.3463



97.1391, 0.3311, 0.3576



19.3419, 0.3283, 0.3398



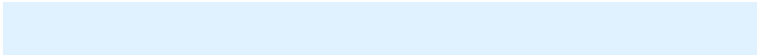
17.8626, 0.5549, 0.3976



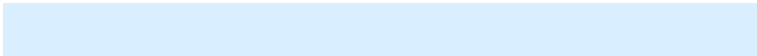
1.9540, 0.5356, 0.4129

Inverse Universe

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



85.9395, 0.2938, 0.3147



82.8949, 0.2892, 0.3110



77.2169, 0.2934, 0.2987



19.0251, 0.2979, 0.3180



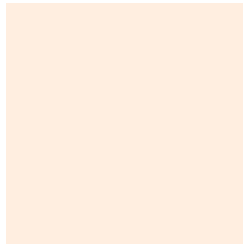
13.8021, 0.1815, 0.1734



1.5623, 0.1868, 0.1926

Previews

White Background



This preview shows how the Yxy color 87.7909, 0.3330, 0.3429 looks on a white background.

Color Contrast Check

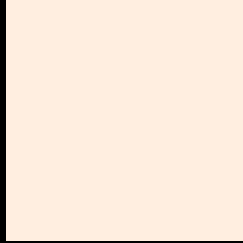
Large Text (above 18pt) WCAG AA × Fail

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 87.7909, 0.3330, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

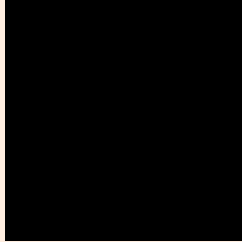
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.7909, 0.3330, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 87.7909, 0.3330, 0.3429.

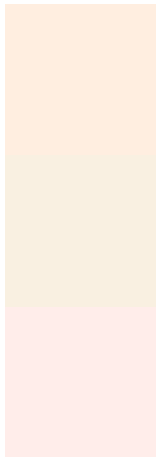


This preview shows how white text looks on a background with the Yxy color 87.7909, 0.3330, 0.3429.

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

87.7909, 0.3330, 0.3429

Protanopia

87.8962, 0.3281, 0.3440

Deuteranopia

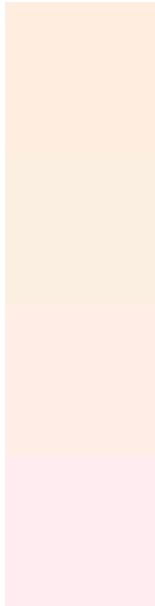
87.7689, 0.3267, 0.3320



Tritanopia

87.5788, 0.3167, 0.3145

Trichromacy



Original Color

87.7909, 0.3330, 0.3429

Protanomaly

87.6785, 0.3295, 0.3430

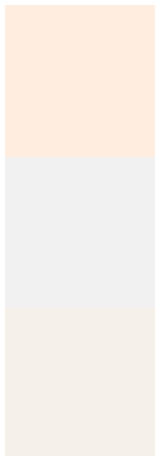
Deuteranomaly

87.5415, 0.3293, 0.3359

Tritanomaly

87.6018, 0.3223, 0.3241

Monochromacy



Original Color

87.7909, 0.3330, 0.3429

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 87.7909, 0.3330, 0.3429 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, 238, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 224)  
}
```

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, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 224) }
```

Border

The CSS property to change the border of an element to Yxy 87.7909, 0.3330, 0.3429 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, 238, 224) }
```

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

```
.border{ border-color:rgb(255, 238, 224) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7909, 0.3330, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 224) }
```

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

```
.background{ background-color: rgb(255,  
238, 224) }
```

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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