

Converting Colors

$Y_{xy}(90.7573, 0.3274, 0.3390)$

Have a look what the booklet for
Yxy(90.7573, 0.3274, 0.3390)
contains.

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Color

Yxy(90.5905, 0.3275, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2E8
RGB	255, 242, 232
RGB Percent	100%, 95%, 91%
CMY	0.0000, 0.0510, 0.0901
CMYK	0.00, 0.05, 0.09, 0.00
HSL	26°, 100%, 95%
HSV	26°, 9%, 100%
XYZ	87.5690, 90.5905, 89.2268
YIQ	244.7470, 10.9580, -0.3540

Conversions

Conversions Part 2

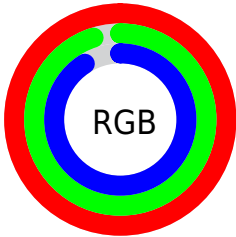
Format	Color
R _Y B	255, 250, 232
Decimal	16773864
CIE Lab	96.24, 2.73, 6.36
CIE LCh	96, 6.922, 66.778
Yxy	90.5905, 0.3275, 0.3388
Android (android.graphics.Color)	4294963944 (0xFFFFF2E8)
YUV	244.7470, -6.2843, 8.9919
Hunter-Lab	95.1790, -2.3352, 11.0431

Details

The Yxy color 90.5905, 0.3275, 0.3388 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.6989, 0.2987, 0.3190, and the grayscale version is 91.1393, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.2582, 0.3308, 0.3415 is the 20% darker color. If you saturate the color by 10%, you get 80.9874, 0.3463, 0.3503, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

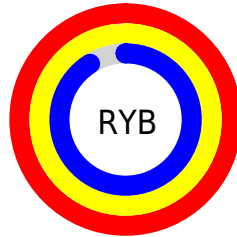
Distribution



Red (100%)

Green (95%)

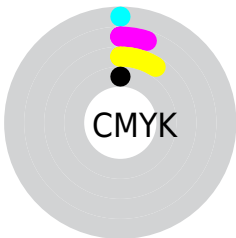
Blue (91%)



Red (100%)

Yellow (98%)

Blue (91%)

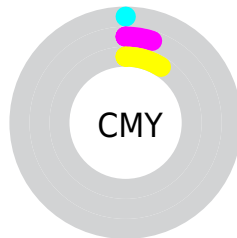


Cyan (0%)

Magenta (5%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5905, 0.3275, 0.3388 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 90.5905, 0.3275, 0.3388 by changing the saturation by 10% instead.


 90.5905, 0.3275,
0.3388

 90.5905, 0.3275,
0.3388

529.9499, 0.3209,
0.3345

 68.4705, 0.3290,
0.3397


148.1584, 0.3253,
0.3373

 50.2806, 0.3307,
0.3409

184.3750, 0.3244,
0.3368

 35.6364, 0.3329,
0.3423


226.0593, 0.3236,
0.3363

 24.1535, 0.3357,
0.3441

273.5957, 0.3229,
0.3358

 15.4475, 0.3395,
0.3465

327.3686, 0.3223,
0.3354

 9.1341, 0.3446,
0.3497

387.7623, 0.3218,

 4.8287, 0.3522,

0.3351

0.3544

455.1612, 0.3213,
0.3348

■ 2.1471, 0.3646,
0.3618

■ 0.6909, 0.4201,
0.4013

■ 90.5905, 0.3275,
0.3388

■ 90.5905, 0.3275,
0.3388

■ 80.9874, 0.3463,
0.3503

100.0000, 0.3127,
0.3290

■ 72.2508, 0.3680,
0.3622

■ 64.3520, 0.3927,
0.3741

■ 57.2638, 0.4203,
0.3853

■ 50.9573, 0.4502,
0.3948

■ 45.4016, 0.4812,
0.4013

■ 40.5628, 0.5114,
0.4035

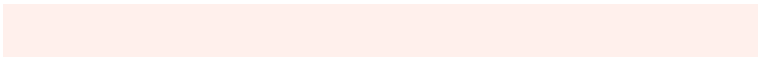
■ 36.4037, 0.5387,
0.4004

■ 32.8774, 0.5611,
0.3920

Harmonies

Analogous

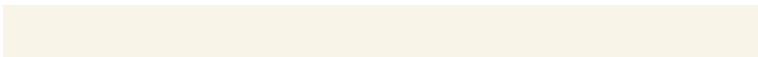
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5905, 0.3274, 0.3329



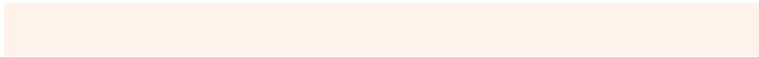
90.5905, 0.3275, 0.3388



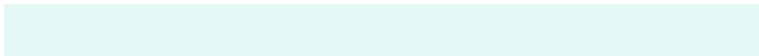
90.5905, 0.3236, 0.3422

Triad

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



90.5905, 0.3275, 0.3388



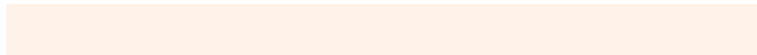
90.5905, 0.3022, 0.3319



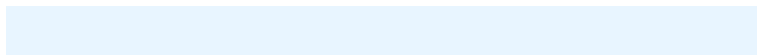
90.5905, 0.3086, 0.3164

Complementary

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



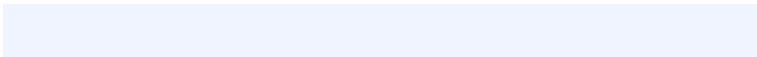
90.5905, 0.3275, 0.3388



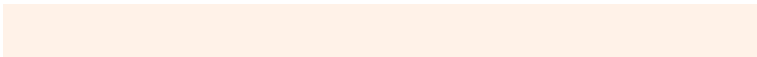
89.6989, 0.2987, 0.3190

Split Complementary

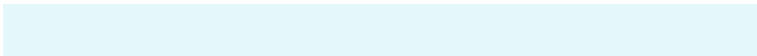
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5905, 0.3019, 0.3160



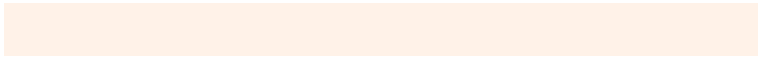
90.5905, 0.3275, 0.3388



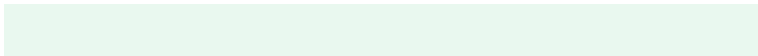
90.5905, 0.2983, 0.3248

Square

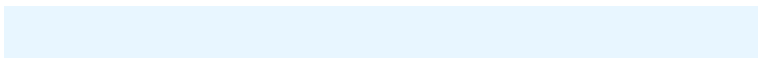
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.5905, 0.3275, 0.3388



90.5905, 0.3089, 0.3382



90.5905, 0.2981, 0.3191



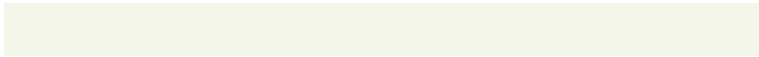
90.5905, 0.3164, 0.3201

Rectangle

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



90.5905, 0.3275, 0.3388



90.5905, 0.3192, 0.3425



90.5905, 0.2981, 0.3191



90.5905, 0.3061, 0.3159

Sweetspot

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



90.5877, 0.3275, 0.3388



96.7857, 0.3174, 0.3322



85.5788, 0.3201, 0.3163



20.5352, 0.3187, 0.3331



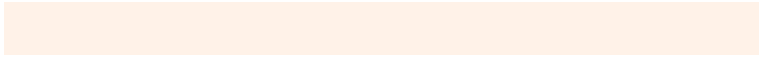
0.0000, 0.0000, 0.0000



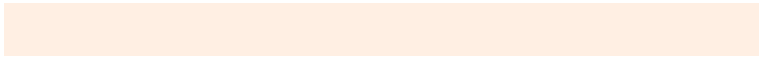
21.4041, 0.3127, 0.3290

Same Dimension

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



90.5877, 0.3275, 0.3388



88.6095, 0.3310, 0.3410



97.6336, 0.3263, 0.3498



19.2839, 0.3283, 0.3394



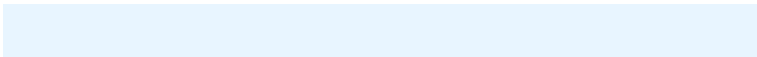
17.2970, 0.5603, 0.3933



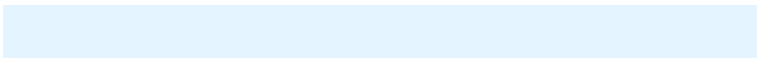
1.8966, 0.5404, 0.4091

Inverse Universe

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



89.6989, 0.2987, 0.3190



87.5393, 0.2956, 0.3167



82.9691, 0.2987, 0.3073



19.0840, 0.2979, 0.3184



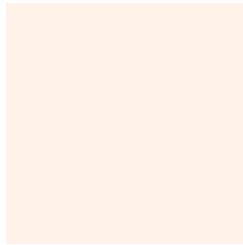
14.5483, 0.1833, 0.1800



1.6339, 0.1885, 0.1985

Previews

White Background



This preview shows how the Yxy color 90.5905, 0.3275, 0.3388 looks on a white background.

Color Contrast Check

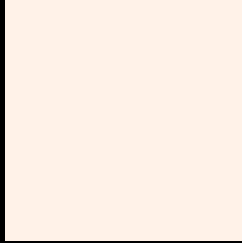
Large Text (above 18pt) WCAG AA × Fail

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 90.5905, 0.3275, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

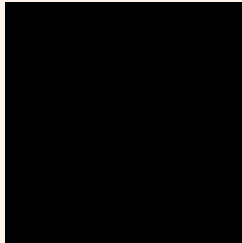
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

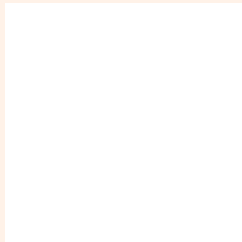
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5905, 0.3275, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 90.5905, 0.3275, 0.3388.

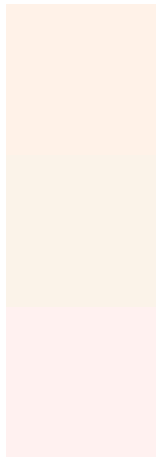


This preview shows how white text looks on a background with the Yxy color 90.5905, 0.3275, 0.3388.

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

90.5905, 0.3275, 0.3388

Protanopia

90.4936, 0.3241, 0.3389

Deuteranopia

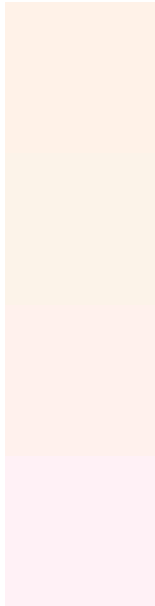
90.4619, 0.3226, 0.3300



Tritanopia

90.7359, 0.3140, 0.3156

Trichromacy



Original Color

90.5905, 0.3275, 0.3388

Protanomaly

90.6798, 0.3248, 0.3389

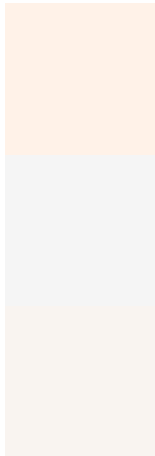
Deuteranomaly

90.2850, 0.3244, 0.3329

Tritanomaly

90.8244, 0.3188, 0.3242

Monochromacy



Original Color

90.5905, 0.3275, 0.3388

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

91.1324, 0.3184, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5905, 0.3275, 0.3388 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, 242, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 232)  
}
```

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, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 232) }
```

Border

The CSS property to change the border of an element to Yxy 90.5905, 0.3275, 0.3388 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, 242, 232) }
```

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

```
.border{ border-color:rgb(255, 242, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5905, 0.3275, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 232) }
```

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

```
.background{ background-color: rgb(255,  
242, 232) }
```

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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