

Converting Colors

$Y_{xy}(90.0287, 0.3271, 0.3371)$

Have a look what the booklet for
Yxy(90.0287, 0.3271, 0.3371)
contains.

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Color

Yxy(90.0538, 0.3270, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1E9
RGB	255, 241, 233
RGB Percent	100%, 95%, 91%
CMY	0.0000, 0.0549, 0.0864
CMYK	0.00, 0.05, 0.09, 0.00
HSL	22°, 100%, 96%
HSV	22°, 9%, 100%
XYZ	87.4075, 90.0538, 89.8400
YIQ	244.2740, 10.9120, 0.4800

Conversions

Conversions Part 2

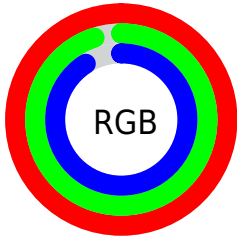
Format	Color
R_{YB}	255, 246, 233
Decimal	16773609
CIE _{Lab}	96.02, 3.39, 5.55
CIE _{LCh}	96, 6.503, 58.606
Yxy	90.0538, 0.3270, 0.3369
Android (android.graphics.Color)	4294963689 (0xFFFFF1E9)
YUV	244.2740, -5.5581, 9.4067
Hunter-Lab	94.8967, -1.6563, 10.2970

Details

The Yxy color **90.0538, 0.3270, 0.3369** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.0394, 0.2993, 0.3210**, and the grayscale version is **90.7325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8780, 0.3302, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **79.5285, 0.3462, 0.3466**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

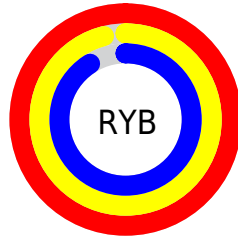
Distribution



Red (100%)

Green (95%)

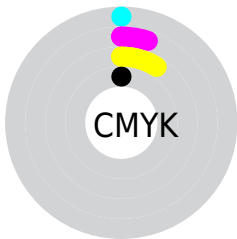
Blue (91%)



Red (100%)

Yellow (96%)

Blue (91%)

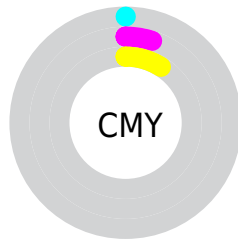


Cyan (0%)

Magenta (5%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0538, 0.3270, 0.3369 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 90.0538, 0.3270, 0.3369 by changing the saturation by 10% instead.


 90.0538, 0.3270,
0.3369

 90.0538, 0.3270,
0.3369

528.2058, 0.3206,
0.3334

 68.0253, 0.3284,
0.3377


147.4131, 0.3248,
0.3357

 49.9183, 0.3301,
0.3386


183.5127, 0.3240,
0.3353

 35.3485, 0.3323,
0.3397


225.0714, 0.3232,
0.3349

 23.9314, 0.3350,
0.3412

272.4737, 0.3226,
0.3345

 15.2828, 0.3386,
0.3431

326.1038, 0.3220,
0.3342

 9.0181, 0.3436,
0.3456

386.3463, 0.3215,

 4.7530, 0.3511,

0.3339

0.3494

453.5855, 0.3210,
0.3336

■ 2.1031, 0.3632,
0.3553

■ 0.6663, 0.4163,
0.3874

■ 90.0538, 0.3270,
0.3369

■ 90.0538, 0.3270,
0.3369

■ 79.5285, 0.3462,
0.3466

100.0000, 0.3127,
0.3290

■ 70.0379, 0.3686,
0.3567

■ 61.5472, 0.3946,
0.3668

■ 54.0221, 0.4241,
0.3762

■ 47.4258, 0.4566,
0.3841

■ 41.7191, 0.4909,
0.3891

■ 36.8594, 0.5247,
0.3901

■ 32.7995, 0.5552,
0.3859

■ 29.4831, 0.5798,
0.3768

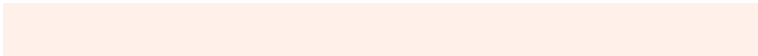
Harmonies

Analogous

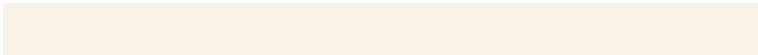
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0538, 0.3258, 0.3310



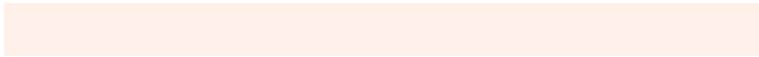
90.0538, 0.3270, 0.3369



90.0538, 0.3243, 0.3408

Triad

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



90.0538, 0.3270, 0.3369



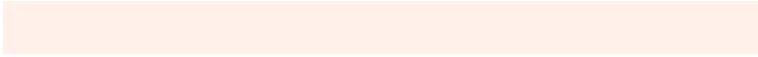
90.0538, 0.3043, 0.3335



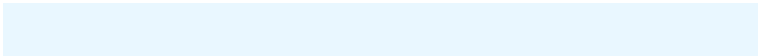
90.0538, 0.3069, 0.3167

Complementary

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



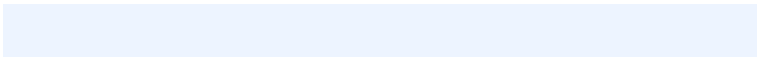
90.0538, 0.3270, 0.3369



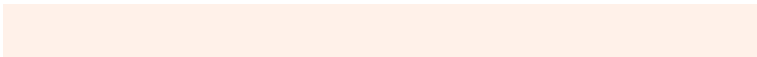
91.0394, 0.2993, 0.3210

Split Complementary

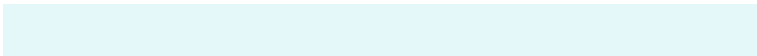
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0538, 0.3012, 0.3173



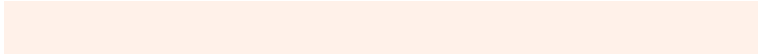
90.0538, 0.3270, 0.3369



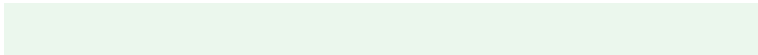
90.0538, 0.2998, 0.3269

Square

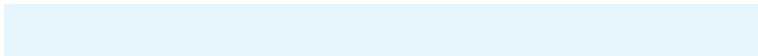
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0538, 0.3270, 0.3369



90.0538, 0.3111, 0.3389



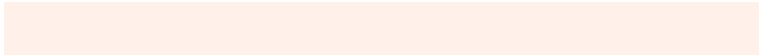
90.0538, 0.2987, 0.3209



90.0538, 0.3142, 0.3194

Rectangle

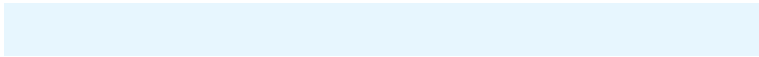
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0538, 0.3270, 0.3369



90.0538, 0.3206, 0.3417



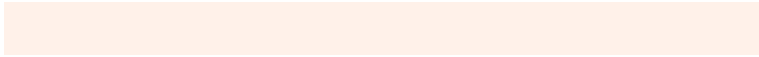
90.0538, 0.2987, 0.3209



90.0538, 0.3048, 0.3165

Sweetspot

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



90.0518, 0.3270, 0.3369



96.4547, 0.3174, 0.3317



86.2523, 0.3186, 0.3151



20.4460, 0.3187, 0.3324



0.0000, 0.0000, 0.0000



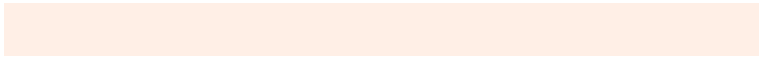
21.4041, 0.3127, 0.3290

Same Dimension

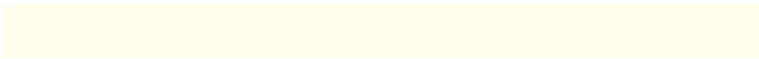
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0518, 0.3270, 0.3369



88.5593, 0.3294, 0.3382



96.5707, 0.3259, 0.3472



19.0713, 0.3285, 0.3377



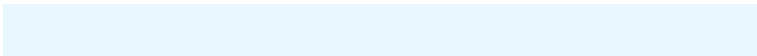
15.4551, 0.5799, 0.3778



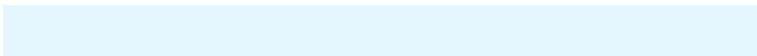
1.7041, 0.5583, 0.3949

Inverse Universe

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



91.0394, 0.2993, 0.3210



89.6914, 0.2972, 0.3196



84.6857, 0.2993, 0.3101



19.3024, 0.2980, 0.3201



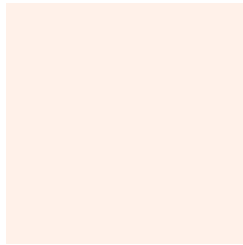
17.5748, 0.1902, 0.2047



1.9194, 0.1946, 0.2204

Previews

White Background



This preview shows how the Yxy color 90.0538, 0.3270, 0.3369 looks on a white background.

Color Contrast Check

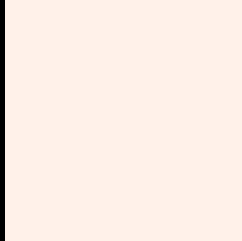
Large Text (above 18pt) WCAG AA × Fail

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 90.0538, 0.3270, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

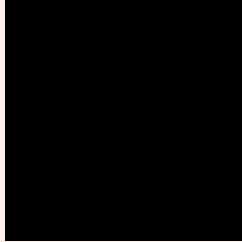
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.0538, 0.3270, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 90.0538, 0.3270, 0.3369.

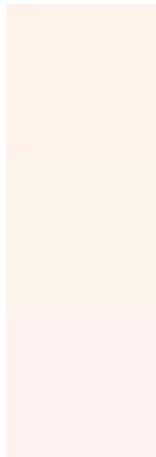


This preview shows how white text looks on a background with the Yxy color 90.0538, 0.3270, 0.3369.

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

90.0538, 0.3270, 0.3369

Protanopia

90.3657, 0.3228, 0.3379

Deuteranopia

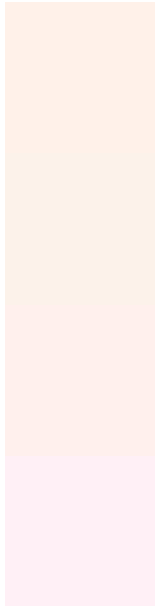
89.8714, 0.3226, 0.3290



Tritanopia

90.0849, 0.3147, 0.3155

Trichromacy



Original Color

90.0538, 0.3270, 0.3369

Protanomaly

90.1402, 0.3242, 0.3369

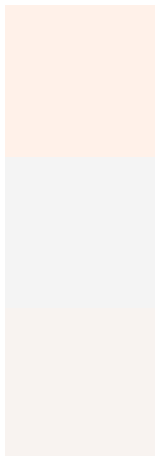
Deuteranomaly

89.6946, 0.3245, 0.3320

Tritanomaly

90.2340, 0.3189, 0.3232

Monochromacy



Original Color

90.0538, 0.3270, 0.3369

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.3489, 0.3178, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0538, 0.3270, 0.3369 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, 241, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 233)  
}
```

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, 241, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 233) }
```

Border

The CSS property to change the border of an element to Yxy 90.0538, 0.3270, 0.3369 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, 241, 233) }
```

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

```
.border{ border-color:rgb(255, 241, 233) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0538, 0.3270, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 233) }
```

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

```
.background{ background-color: rgb(255,  
241, 233) }
```

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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