

Converting Colors

$Yxy(90.2221, 0.3185, 0.3371)$

Have a look what the booklet for
Yxy(90.2221, 0.3185, 0.3371)
contains.

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Color

Yxy(90.1700, 0.3182, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	F5F4EC
RGB	245, 244, 236
RGB Percent	96%, 96%, 93%
CMY	0.0393, 0.0431, 0.0746
CMYK	0.00, 0.00, 0.04, 0.04
HSL	54°, 31%, 94%
HSV	54°, 4%, 96%
XYZ	85.1397, 90.1700, 92.2570
YIQ	243.3870, 3.1640, -2.2760

Conversions

Conversions Part 2

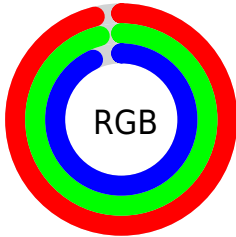
Format	Color
R _Y B	237, 245, 236
Decimal	16119020
CIE Lab	96.07, -1.06, 3.97
CIE LCh	96, 4.106, 104.993
Yxy	90.1700, 0.3182, 0.3370
Android (android.graphics.Color)	4294309100 (0xFF5F4EC)
YUV	243.3870, -3.6418, 1.4146
Hunter-Lab	94.9579, -6.1323, 8.8669

Details

The Yxy color **90.1700, 0.3182, 0.3370** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.9593, 0.3072, 0.3209**, and the grayscale version is **89.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0805, 0.3197, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **87.2708, 0.3337, 0.3594**, and if you desaturate by 10%, it is **92.9371, 0.3068, 0.3209**.

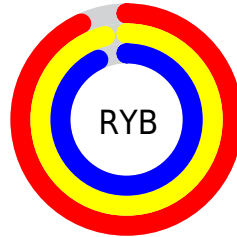
Distribution



Red (96%)

Green (96%)

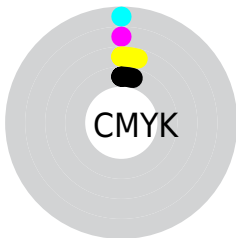
Blue (93%)



Red (93%)

Yellow (96%)

Blue (93%)

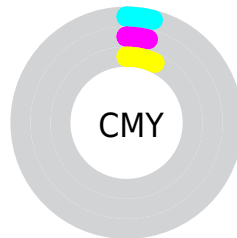


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (4%)



Cyan (4%)

Magenta (4%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1700, 0.3182, 0.3370 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 90.1700, 0.3182, 0.3370 by changing the saturation by 10% instead.

90.1700, 0.3182,
0.3370

90.1700, 0.3182,
0.3370

528.5837, 0.3158,
0.3334

68.1216, 0.3187,
0.3378

147.5745, 0.3174,
0.3358

49.9967, 0.3194,
0.3387

183.6995, 0.3170,
0.3353

35.4108, 0.3202,
0.3399

225.2854, 0.3168,
0.3349

23.9795, 0.3212,
0.3415

272.7167, 0.3165,
0.3345

15.3184, 0.3226,
0.3435

326.3778, 0.3163,
0.3342

9.0431, 0.3245,
0.3463

386.6531, 0.3161,

4.7693, 0.3273,

0.3339

453.9269, 0.3159,
0.3337

0.3504

■ 2.1126, 0.3317,
0.3572

■ 0.6717, 0.3524,
0.3864

■ 90.1700, 0.3182,
0.3370

■ 90.1700, 0.3182,
0.3370

■ 87.2708, 0.3337,
0.3594

■ 92.9371, 0.3068,
0.3209

■ 84.5778, 0.3499,
0.3823

■ 94.5581, 0.3067,
0.3234

■ 82.0862, 0.3663,
0.4050

■ 96.2019, 0.3066,
0.3260

■ 79.7869, 0.3825,
0.4267

■ 97.8688, 0.3066,
0.3286

■ 77.6700, 0.3977,
0.4465

■ 98.1494, 0.3066,
0.3290

■ 75.7244, 0.4113,
0.4632

■ 73.9379, 0.4227,
0.4760

■ 72.2960, 0.4315,
0.4844

■ 70.7815, 0.4374,
0.4882

Harmonies

Analogous

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



90.1700, 0.3211, 0.3356



90.1700, 0.3182, 0.3370



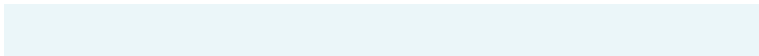
90.1700, 0.3139, 0.3363

Triad

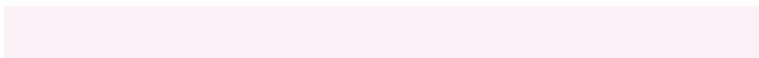
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1700, 0.3182, 0.3370



90.1700, 0.3038, 0.3255



90.1700, 0.3162, 0.3246

Complementary

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



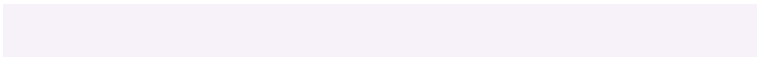
90.1700, 0.3182, 0.3370



84.9593, 0.3072, 0.3209

Split Complementary

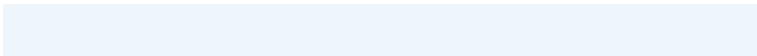
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1700, 0.3115, 0.3219



90.1700, 0.3182, 0.3370



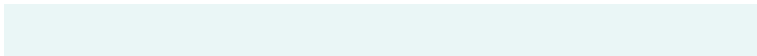
90.1700, 0.3044, 0.3224

Square

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



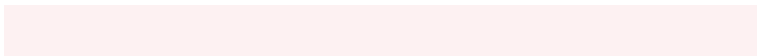
90.1700, 0.3182, 0.3370



90.1700, 0.3056, 0.3296



90.1700, 0.3072, 0.3211



90.1700, 0.3199, 0.3284

Rectangle

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



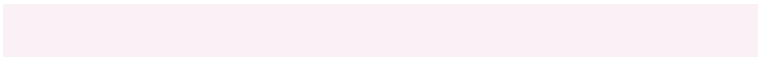
90.1700, 0.3182, 0.3370



90.1700, 0.3108, 0.3346



90.1700, 0.3072, 0.3211



90.1700, 0.3147, 0.3235

Sweetspot

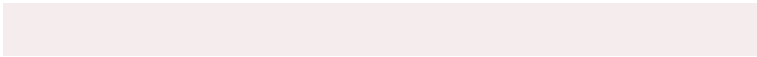
The Sweet Spot groups the original color and five complimentary colors.



90.1739, 0.3182, 0.3370



99.6619, 0.3142, 0.3312



85.5045, 0.3181, 0.3280



21.3353, 0.3141, 0.3311



0.0000, 0.0000, 0.0000



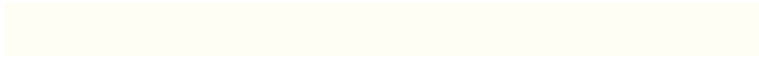
21.4041, 0.3127, 0.3290

Same Dimension

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



90.1739, 0.3182, 0.3370



98.6620, 0.3187, 0.3377



90.1437, 0.3159, 0.3380



19.2900, 0.3198, 0.3394



37.7727, 0.4396, 0.4892



3.4054, 0.4367, 0.4915

Inverse Universe

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



84.9593, 0.3072, 0.3209



92.4459, 0.3067, 0.3201



84.9963, 0.3095, 0.3200



17.8556, 0.3055, 0.3184



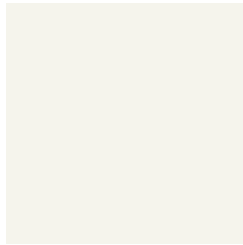
4.0530, 0.1521, 0.0675



0.4492, 0.1563, 0.0827

Previews

White Background



This preview shows how the Yxy color 90.1700, 0.3182, 0.3370 looks on a white background.

Color Contrast Check

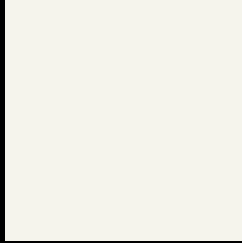
Large Text (above 18pt) WCAG AA × Fail

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 90.1700, 0.3182, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

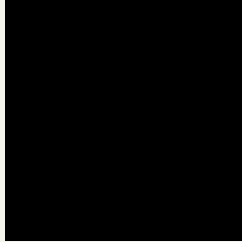
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

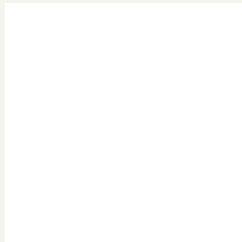
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1700, 0.3182, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 90.1700, 0.3182, 0.3370.

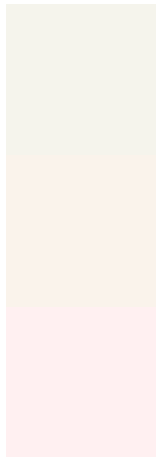


This preview shows how white text looks on a background with the Yxy color 90.1700, 0.3182, 0.3370.

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

90.1700, 0.3182, 0.3370

Protanopia

90.4233, 0.3222, 0.3369

Deuteranopia

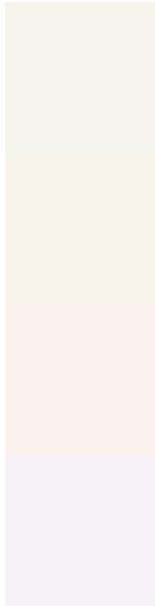
89.9311, 0.3220, 0.3281



Tritanopia

89.9048, 0.3082, 0.3153

Trichromacy



Original Color

90.1700, 0.3182, 0.3370

Protanomaly

90.0558, 0.3209, 0.3369

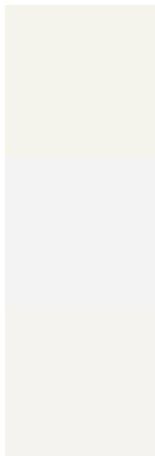
Deuteranomaly

89.6518, 0.3205, 0.3310

Tritanomaly

89.8744, 0.3117, 0.3231

Monochromacy



Original Color

90.1700, 0.3182, 0.3370

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.6256, 0.3152, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1700, 0.3182, 0.3370 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(245, 244, 236)` looks like.

```
.text, #text, p{  
    color:rgb(245, 244, 236)  
}
```

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(245, 244, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 244, 236) }
```

Border

The CSS property to change the border of an element to Yxy 90.1700, 0.3182, 0.3370 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(245, 244, 236) }
```

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

```
.border{ border-color:rgb(245, 244, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 244, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 244, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 244, 236);  
box-shadow:4px 4px 4px 4px rgb(245, 244,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1700, 0.3182, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 244, 236) }
```

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

```
.background{ background-color: rgb(245,  
244, 236) }
```

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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