

Converting Colors

$Y_{xy}(90.3822, 0.3172, 0.3358)$

Have a look what the booklet for
Yxy(90.3822, 0.3172, 0.3358)
contains.

Yxy(90.2283, 0.3176, 0.3360)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.2283, 0.3176, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	F5F4ED
RGB	245, 244, 237
RGB Percent	96%, 96%, 93%
CMY	0.0392, 0.0431, 0.0707
CMYK	0.00, 0.00, 0.03, 0.04
HSL	53°, 29%, 95%
HSV	53°, 3%, 96%
XYZ	85.2872, 90.2283, 93.0211
YIQ	243.5010, 2.8430, -1.9650

Conversions

Conversions Part 2

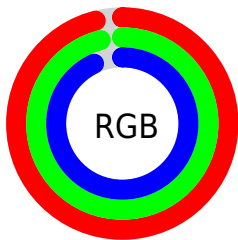
Format	Color
R _Y B	238, 245, 237
Decimal	16119021
CIE Lab	96.09, -0.89, 3.49
CIE LCh	96, 3.598, 104.290
Yxy	90.2283, 0.3176, 0.3360
Android (android.graphics.Color)	4294309101 (0xFFFF5F4ED)
YUV	243.5010, -3.2050, 1.3146
Hunter-Lab	94.9886, -5.9605, 8.4301

Details

The Yxy color **90.2283, 0.3176, 0.3360** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.7151, 0.3078, 0.3219**, and the grayscale version is **90.0724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1215, 0.3190, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **87.1092, 0.3331, 0.3580**, and if you desaturate by 10%, it is **93.1561, 0.3068, 0.3212**.

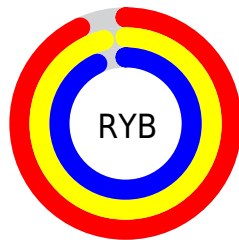
Distribution



Red (96%)

Green (96%)

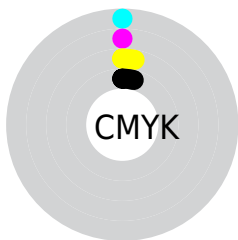
Blue (93%)



Red (93%)

Yellow (96%)

Blue (93%)

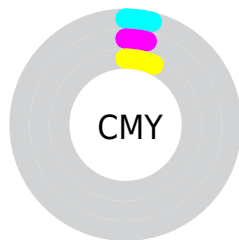


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (4%)



Cyan (4%)

Magenta (4%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2283, 0.3176, 0.3360 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 90.2283, 0.3176, 0.3360 by changing the saturation by 10% instead.

90.2283, 0.3176,
0.3360

90.2283, 0.3176,
0.3360

528.7732, 0.3154,
0.3329

68.1700, 0.3181,
0.3367

147.6555, 0.3169,
0.3349

50.0361, 0.3187,
0.3375

183.7931, 0.3166,
0.3345

35.4420, 0.3194,
0.3386

225.3927, 0.3163,
0.3342

24.0036, 0.3203,
0.3399

272.8386, 0.3161,
0.3338

15.3363, 0.3215,
0.3417

326.5152, 0.3159,
0.3336

9.0557, 0.3232,
0.3441

386.8069, 0.3157,

4.7776, 0.3257,

0.3333

0.3477

454.0981, 0.3156,
0.3331

■ 2.1173, 0.3297,
0.3536

■ 0.6744, 0.3471,
0.3780

■ 90.2283, 0.3176,
0.3360

■ 90.2283, 0.3176,
0.3360

■ 87.1092, 0.3331,
0.3580

■ 93.1561, 0.3068,
0.3212

■ 84.2030, 0.3494,
0.3806

■ 95.0024, 0.3067,
0.3241

■ 81.5052, 0.3660,
0.4030

■ 96.8783, 0.3066,
0.3270

■ 79.0066, 0.3825,
0.4245

■ 98.1509, 0.3066,
0.3290

■ 76.6971, 0.3981,
0.4441

■ 74.5658, 0.4122,
0.4608

■ 72.6004, 0.4242,
0.4736

■ 70.7866, 0.4335,
0.4820

■ 69.1072, 0.4400,
0.4859

Harmonies

Analogous

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



90.2283, 0.3201, 0.3347



90.2283, 0.3176, 0.3360



90.2283, 0.3138, 0.3354

Triad

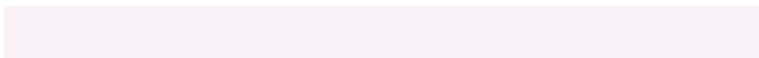
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2283, 0.3176, 0.3360



90.2283, 0.3050, 0.3260



90.2283, 0.3156, 0.3251

Complementary

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



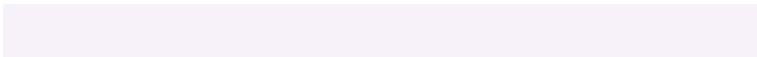
90.2283, 0.3176, 0.3360



85.7151, 0.3078, 0.3219

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.



90.2283, 0.3116, 0.3228



90.2283, 0.3176, 0.3360



90.2283, 0.3054, 0.3233

Square

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



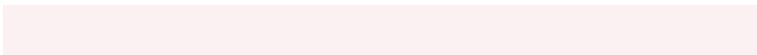
90.2283, 0.3176, 0.3360



90.2283, 0.3065, 0.3296



90.2283, 0.3078, 0.3221



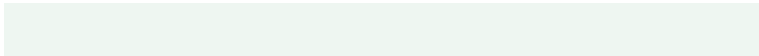
90.2283, 0.3189, 0.3284

Rectangle

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



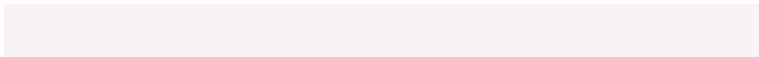
90.2283, 0.3176, 0.3360



90.2283, 0.3111, 0.3340



90.2283, 0.3078, 0.3221



90.2283, 0.3143, 0.3241

Sweetspot

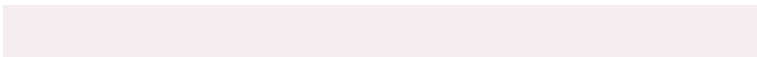
The Sweet Spot groups the original color and five complimentary colors.



90.2322, 0.3176, 0.3360



99.6381, 0.3142, 0.3311



86.1405, 0.3174, 0.3279



21.3305, 0.3141, 0.3310



0.0000, 0.0000, 0.0000



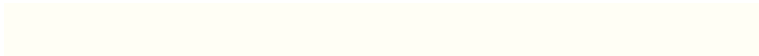
21.4041, 0.3127, 0.3290

Same Dimension

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



90.2322, 0.3176, 0.3360



98.5675, 0.3187, 0.3376



90.2990, 0.3156, 0.3370



19.2681, 0.3198, 0.3392



36.7936, 0.4426, 0.4868



3.3291, 0.4393, 0.4894

Inverse Universe

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



85.7151, 0.3078, 0.3219



92.5365, 0.3067, 0.3203



85.6563, 0.3097, 0.3210



17.8764, 0.3055, 0.3186



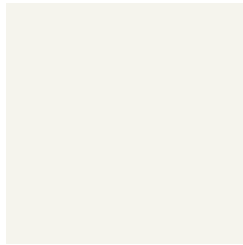
4.1546, 0.1525, 0.0690



0.4678, 0.1571, 0.0857

Previews

White Background



This preview shows how the Yxy color 90.2283, 0.3176, 0.3360 looks on a white background.

Color Contrast Check

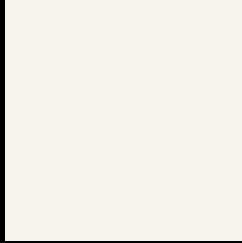
Large Text (above 18pt) WCAG AA × Fail

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 90.2283, 0.3176, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

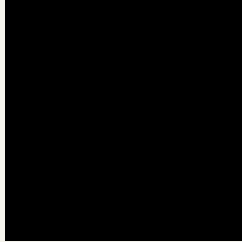
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

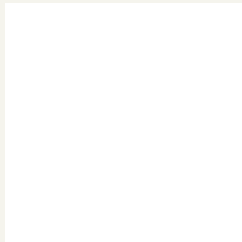
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2283, 0.3176, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 90.2283, 0.3176, 0.3360.

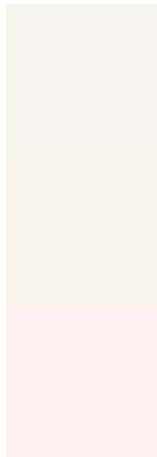


This preview shows how white text looks on a background with the Yxy color 90.2283, 0.3176, 0.3360.

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

90.2283, 0.3176, 0.3360

Protanopia

90.4813, 0.3216, 0.3359

Deuteranopia

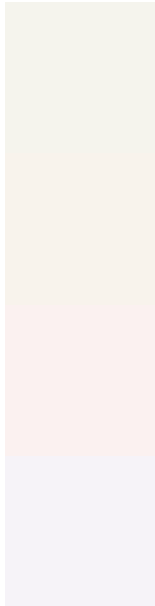
89.9910, 0.3214, 0.3271



Tritanopia

90.4984, 0.3082, 0.3163

Trichromacy



Original Color

90.2283, 0.3176, 0.3360

Protanomaly

90.1138, 0.3202, 0.3359

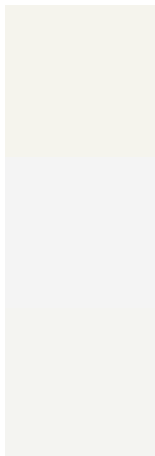
Deuteranomaly

89.7111, 0.3199, 0.3300

Tritanomaly

90.4713, 0.3117, 0.3241

Monochromacy



Original Color

90.2283, 0.3176, 0.3360

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.2853, 0.3145, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2283, 0.3176, 0.3360 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(245, 244, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 244, 237) }
```

Border

The CSS property to change the border of an element to Yxy 90.2283, 0.3176, 0.3360 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, 237) }
```

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

```
.border{ border-color:rgb(245, 244, 237) }
```

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, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 244, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 244, 237);  
box-shadow:4px 4px 4px 4px rgb(245, 244,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2283, 0.3176, 0.3360 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, 237) }
```

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

```
.background{ background-color: rgb(245,  
244, 237) }
```

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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