

Converting Colors

$Y_{xy}(90.2799, 0.3216, 0.3437)$

Have a look what the booklet for
Yxy(90.2799, 0.3216, 0.3437)
contains.

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Color

Yxy(90.4305, 0.3218, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	F5F5E6
RGB	245, 245, 230
RGB Percent	96%, 96%, 90%
CMY	0.0392, 0.0392, 0.0981
CMYK	0.00, 0.00, 0.06, 0.04
HSL	60°, 43%, 93%
HSV	60°, 6%, 96%
XYZ	84.5946, 90.4305, 87.8543
YIQ	243.2900, 4.8150, -4.6650

Conversions

Conversions Part 2

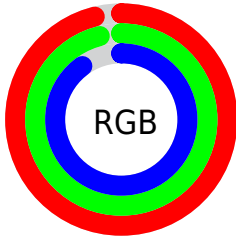
Format	Color
R _{YB}	230, 245, 230
Decimal	16119270
CIE Lab	96.18, -2.56, 7.21
CIE LCh	96, 7.652, 109.528
Yxy	90.4305, 0.3218, 0.3440
Android (android.graphics.Color)	4294309350 (0xFFFF5F5E6)
YUV	243.2900, -6.5520, 1.4997
Hunter-Lab	95.0950, -7.6261, 11.7909

Details

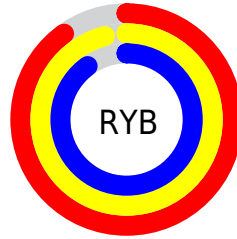
The Yxy color **90.4305, 0.3218, 0.3440** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **80.0143, 0.3034, 0.3135**, and the grayscale version is **89.9248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3092, 0.3235, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **89.1398, 0.3370, 0.3691**, and if you desaturate by 10%, it is **91.9226, 0.3071, 0.3197**.

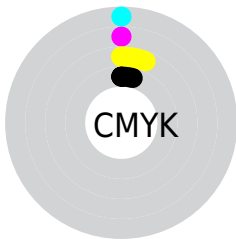
Distribution



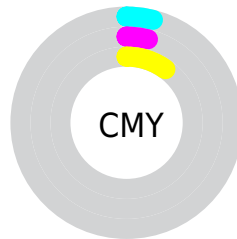
- Red (96%)
- Green (96%)
- Blue (90%)



- Red (90%)
- Yellow (96%)
- Blue (90%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)




- Cyan (4%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4305, 0.3218, 0.3440 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 90.4305, 0.3218, 0.3440 by changing the saturation by 10% instead.

 90.4305, 0.3218,
0.3440

 90.4305, 0.3218,
0.3440


529.4303, 0.3178,
0.3373

 68.3378, 0.3227,
0.3455

147.9362, 0.3204,
0.3417

 50.1726, 0.3238,
0.3473


184.1180, 0.3199,
0.3408

 35.5505, 0.3251,
0.3495


225.7649, 0.3194,
0.3400

 24.0873, 0.3268,
0.3524

273.2614, 0.3190,
0.3394

 15.3984, 0.3290,
0.3562

326.9917, 0.3187,
0.3387

 9.0994, 0.3321,
0.3616

387.3404, 0.3183,

 4.8061, 0.3365,

0.3382

0.3694

454.6918, 0.3180,
0.3377

■ 2.1339, 0.3436,
0.3823

■ 0.6836, 0.3887,
0.4524

■ 90.4305, 0.3218,
0.3440

■ 90.4305, 0.3218,
0.3440

■ 89.1398, 0.3370,
0.3691

■ 91.9226, 0.3071,
0.3197

■ 88.0306, 0.3523,
0.3943


■ 91.9683, 0.3068,
0.3193

■ 87.0983, 0.3672,
0.4190


■ 91.9817, 0.3068,
0.3193


■ 86.3336, 0.3811,
0.4419

■ 91.9951, 0.3068,
0.3193


 85.7264, 0.3935,
0.4623

 92.0085, 0.3068,
0.3193

 85.2655, 0.4037,
0.4791

 92.0219, 0.3068,
0.3194

 84.9382, 0.4114,
0.4918

 92.0353, 0.3068,
0.3194

 84.7298, 0.4164,
0.5001

 92.0487, 0.3068,
0.3194

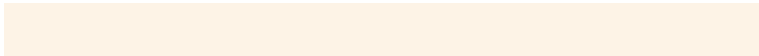
 84.6218, 0.4189,
0.5042

 92.0622, 0.3068,
0.3194

Harmonies

Analogous

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



90.4305, 0.3277, 0.3418



90.4305, 0.3218, 0.3440



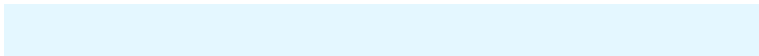
90.4305, 0.3135, 0.3420

Triad

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



90.4305, 0.3218, 0.3440



90.4305, 0.2961, 0.3214



90.4305, 0.3203, 0.3217

Complementary

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



90.4305, 0.3218, 0.3440



80.0143, 0.3034, 0.3135

Split Complementary

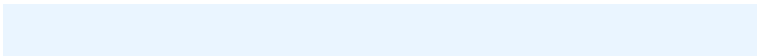
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4305, 0.3118, 0.3164



90.4305, 0.3218, 0.3440



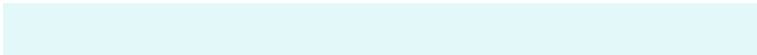
90.4305, 0.2979, 0.3161

Square

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



90.4305, 0.3218, 0.3440



90.4305, 0.2988, 0.3288



90.4305, 0.3036, 0.3144



90.4305, 0.3269, 0.3290

Rectangle

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



90.4305, 0.3218, 0.3440



90.4305, 0.3078, 0.3386



90.4305, 0.3036, 0.3144



90.4305, 0.3176, 0.3197

Sweetspot

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



90.4344, 0.3218, 0.3440



99.6729, 0.3157, 0.3339



81.7333, 0.3229, 0.3288



21.3375, 0.3155, 0.3336



0.0000, 0.0000, 0.0000



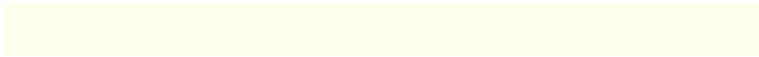
21.4041, 0.3127, 0.3290

Same Dimension

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



90.4344, 0.3218, 0.3440



98.8929, 0.3231, 0.3462



89.1622, 0.3170, 0.3442



19.3656, 0.3240, 0.3476



45.5680, 0.4195, 0.5051



4.0058, 0.4195, 0.5051

Inverse Universe

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



80.0143, 0.3034, 0.3135



85.9150, 0.3019, 0.3112



81.2330, 0.3082, 0.3138



16.6248, 0.3010, 0.3097



3.5552, 0.1500, 0.0601



0.3133, 0.1501, 0.0602

Previews

White Background



This preview shows how the Yxy color 90.4305, 0.3218, 0.3440 looks on a white background.

Color Contrast Check

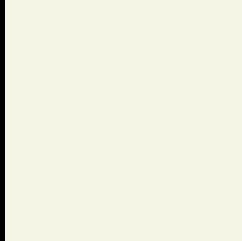
Large Text (above 18pt) WCAG AA × Fail

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 90.4305, 0.3218, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

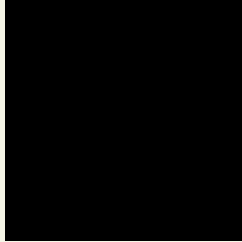
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

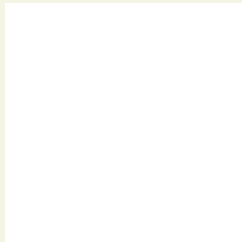
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4305, 0.3218, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 90.4305, 0.3218, 0.3440.

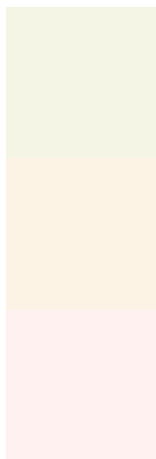


This preview shows how white text looks on a background with the Yxy color 90.4305, 0.3218, 0.3440.

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

90.4305, 0.3218, 0.3440

Protanopia

90.4538, 0.3273, 0.3428

Deuteranopia

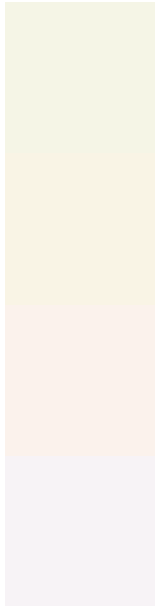
90.4026, 0.3232, 0.3310



Tritanopia

90.6807, 0.3088, 0.3164

Trichromacy



Original Color

90.4305, 0.3218, 0.3440

Protanomaly

90.4982, 0.3251, 0.3439

Deuteranomaly

90.0696, 0.3223, 0.3349

Tritanomaly

90.5292, 0.3135, 0.3261

Monochromacy



Original Color

90.4305, 0.3218, 0.3440

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.1075, 0.3163, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4305, 0.3218, 0.3440 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, 245, 230)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 230)  
}
```

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, 245, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 230) }
```

Border

The CSS property to change the border of an element to Yxy 90.4305, 0.3218, 0.3440 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, 245, 230) }
```

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

```
.border{ border-color:rgb(245, 245, 230) }
```

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

Here you see how a box with a 4 pixel rgb(245, 245, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 230);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4305, 0.3218, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 230) }
```

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

```
.background{ background-color: rgb(245,  
245, 230) }
```

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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