

Converting Colors

$Yxy(91.1208, 0.3214, 0.3461)$

Have a look what the booklet for
Yxy(91.1208, 0.3214, 0.3461)
contains.

Yxy(90.8018, 0.3217, 0.3460)	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(90.8018, 0.3217, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	F4F6E5
RGB	244, 246, 229
RGB Percent	96%, 96%, 90%
CMY	0.0429, 0.0354, 0.1019
CMYK	0.01, 0.00, 0.07, 0.04
HSL	67°, 49%, 93%
HSV	67°, 7%, 96%
XYZ	84.4247, 90.8018, 87.2065
YIQ	243.4640, 4.2650, -5.7110

Conversions

Conversions Part 2

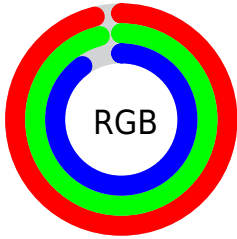
Format	Color
R_{YB}	229, 246, 231
Decimal	16053989
CIE _{Lab}	96.33, -3.54, 7.93
CIE _{LCh}	96, 8.689, 114.048
Yxy	90.8018, 0.3217, 0.3460
Android (android.graphics.Color)	4294244069 (0xFFFF4F6E5)
YUV	243.4640, -7.1308, 0.4701
Hunter-Lab	95.2900, -8.6107, 12.4426

Details

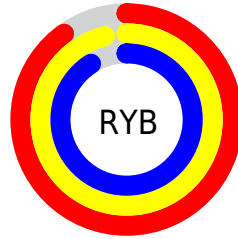
The Yxy color **90.8018, 0.3217, 0.3460** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.6687, 0.3034, 0.3116**, and the grayscale version is **90.0819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5743, 0.3234, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **89.0346, 0.3350, 0.3715**, and if you desaturate by 10%, it is **92.7790, 0.3088, 0.3216**.

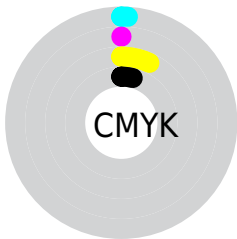
Distribution



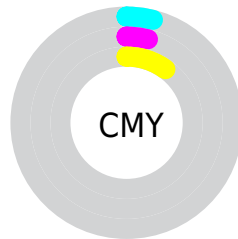
- Red (96%)
- Green (96%)
- Blue (90%)



- Red (90%)
- Yellow (96%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8018, 0.3217, 0.3460 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 90.8018, 0.3217, 0.3460 by changing the saturation by 10% instead.


 90.8018, 0.3217,
0.3460

 90.8018, 0.3217,
0.3460

530.6356, 0.3177,
0.3384

 68.6458, 0.3226,
0.3477


148.4516, 0.3204,
0.3434

 50.4233, 0.3236,
0.3497


184.7143, 0.3198,
0.3424

 35.7499, 0.3249,
0.3523


226.4480, 0.3194,
0.3415

 24.2411, 0.3266,
0.3556

274.0371, 0.3190,
0.3407

 15.5126, 0.3287,
0.3599

327.8660, 0.3186,
0.3400

 9.1799, 0.3317,
0.3660

388.3192, 0.3183,

 4.8587, 0.3360,

0.3394

0.3749

455.7809, 0.3180,
0.3389

■ 2.1646, 0.3428,
0.3896

■ 0.7006, 0.3894,
0.4708

■ 90.8018, 0.3217,
0.3460

■ 90.8018, 0.3217,
0.3460

■ 89.0346, 0.3350,
0.3715

■ 92.7790, 0.3088,
0.3216

■ 87.4575, 0.3482,
0.3976

■ 93.3766, 0.3097,
0.3203

■ 86.0656, 0.3610,
0.4233

■ 93.8920, 0.3115,
0.3203

■ 84.8495, 0.3727,
0.4479

■ 94.3828, 0.3131,
0.3204

■ 83.7990, 0.3829,
0.4701

■ 82.9024, 0.3908,
0.4890

■ 82.1470, 0.3963,
0.5038

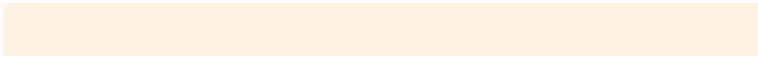
■ 81.5174, 0.3991,
0.5140

■ 80.9944, 0.3995,
0.5199

Harmonies

Analogous

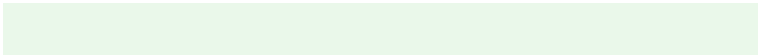
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8018, 0.3290, 0.3442



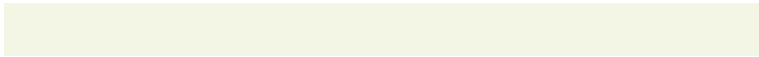
90.8018, 0.3217, 0.3460



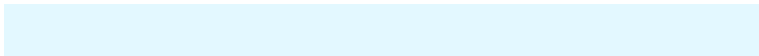
90.8018, 0.3121, 0.3431

Triad

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



90.8018, 0.3217, 0.3460



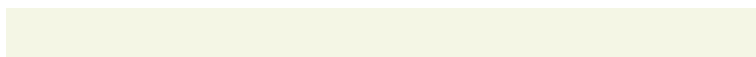
90.8018, 0.2939, 0.3192



90.8018, 0.3227, 0.3219

Complementary

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



90.8018, 0.3217, 0.3460



79.6687, 0.3034, 0.3116

Split Complementary

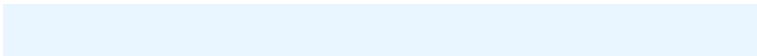
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8018, 0.3131, 0.3155



90.8018, 0.3217, 0.3460



90.8018, 0.2966, 0.3138

Square

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



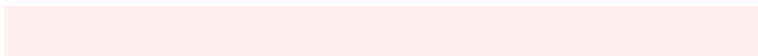
90.8018, 0.3217, 0.3460



90.8018, 0.2962, 0.3274



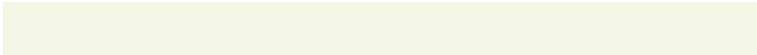
90.8018, 0.3036, 0.3125



90.8018, 0.3296, 0.3302

Rectangle

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



90.8018, 0.3217, 0.3460



90.8018, 0.3057, 0.3388



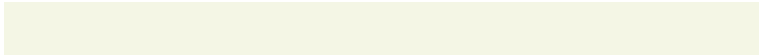
90.8018, 0.3036, 0.3125



90.8018, 0.3196, 0.3195

Sweetspot

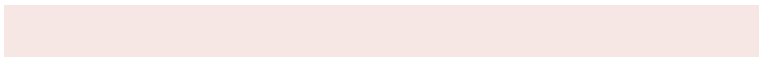
The Sweet Spot groups the original color and five complimentary colors.



90.8057, 0.3217, 0.3460



99.5669, 0.3153, 0.3339



82.2323, 0.3243, 0.3308



21.3160, 0.3152, 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.



90.8057, 0.3217, 0.3460



98.3212, 0.3232, 0.3488



89.3581, 0.3163, 0.3463



19.2131, 0.3251, 0.3525



43.1965, 0.3996, 0.5209



3.8230, 0.4022, 0.5188

Inverse Universe

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



79.6687, 0.3034, 0.3116



84.3954, 0.3018, 0.3086



81.0775, 0.3089, 0.3119



16.0162, 0.2997, 0.3046



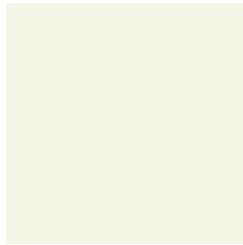
3.7110, 0.1540, 0.0622



0.3548, 0.1619, 0.0666

Previews

White Background



This preview shows how the Yxy color 90.8018, 0.3217, 0.3460 looks on a white background.

Color Contrast Check

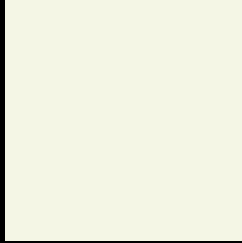
Large Text (above 18pt) WCAG AA × Fail

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 90.8018, 0.3217, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

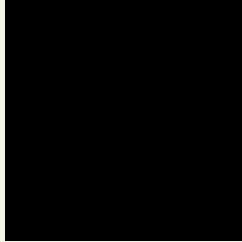
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

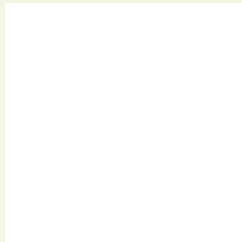
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8018, 0.3217, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 90.8018, 0.3217, 0.3460.

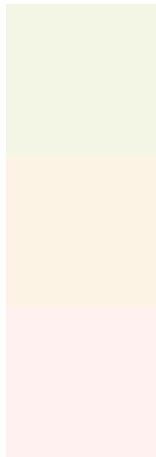


This preview shows how white text looks on a background with the Yxy color 90.8018, 0.3217, 0.3460.

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

90.8018, 0.3217, 0.3460

Protanopia

90.5853, 0.3285, 0.3438

Deuteranopia

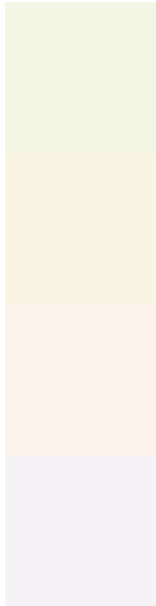
90.4619, 0.3226, 0.3300



Tritanopia

90.4984, 0.3082, 0.3163

Trichromacy



Original Color

90.8018, 0.3217, 0.3460

Protanomaly

90.6268, 0.3264, 0.3449

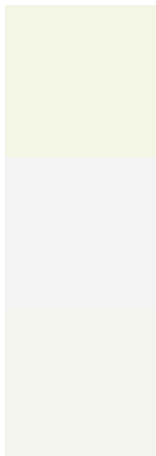
Deuteranomaly

90.6665, 0.3222, 0.3359

Tritanomaly

90.3478, 0.3129, 0.3261

Monochromacy



Original Color

90.8018, 0.3217, 0.3460

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.9291, 0.3157, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8018, 0.3217, 0.3460 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(244, 246, 229)` looks like.

```
.text, #text, p{  
    color:rgb(244, 246, 229)  
}
```

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(244, 246, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 246, 229) }
```

Border

The CSS property to change the border of an element to Yxy 90.8018, 0.3217, 0.3460 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(244, 246, 229) }
```

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

```
.border{ border-color:rgb(244, 246, 229) }
```

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

Here you see how a box with a 4 pixel rgb(244, 246, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 246, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 246, 229);  
box-shadow:4px 4px 4px 4px rgb(244, 246,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8018, 0.3217, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 246, 229) }
```

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

```
.background{ background-color: rgb(244,  
246, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor