

Converting Colors

$Yxy(90.0128, 0.3431, 0.3673)$

Have a look what the booklet for
Yxy(90.0128, 0.3431, 0.3673)
contains.

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Color

Yxy(90.1800, 0.3436, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	FEF4CD
RGB	254, 244, 205
RGB Percent	100%, 96%, 80%
CMY	0.0042, 0.0430, 0.1961
CMYK	0.00, 0.04, 0.19, 0.00
HSL	48°, 96%, 90%
HSV	48°, 19%, 100%
XYZ	84.2236, 90.1800, 70.7174
YIQ	242.5440, 18.4790, -10.0090

Conversions

Conversions Part 2

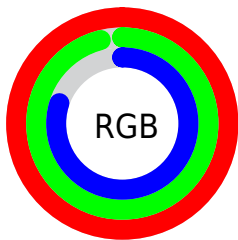
Format	Color
R _Y B	218, 254, 205
Decimal	16708813
CIE Lab	96.07, -2.82, 20.02
CIE LCh	96, 20.222, 98.002
Yxy	90.1800, 0.3436, 0.3679
Android (android.graphics.Color)	4294898893 (0xFFFEF4CD)
YUV	242.5440, -18.5092, 10.0469
Hunter-Lab	94.9632, -7.8725, 22.3220

Details

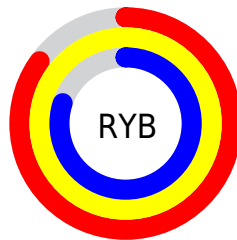
The Yxy color **90.1800, 0.3436, 0.3679** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.6761, 0.2812, 0.2868**, and the grayscale version is **89.3807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0711, 0.3499, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **86.0056, 0.3611, 0.3887**, and if you desaturate by 10%, it is **94.6476, 0.3270, 0.3474**.

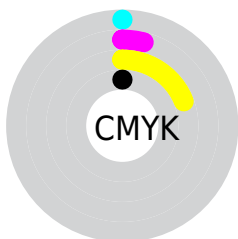
Distribution



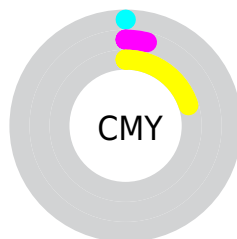
- Red (100%)
- Green (96%)
- Blue (80%)



- Red (85%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1800, 0.3436, 0.3679 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 90.1800, 0.3436, 0.3679 by changing the saturation by 10% instead.


 90.1800, 0.3436,
0.3679

 90.1800, 0.3436,
0.3679


528.6162, 0.3299,
0.3505

 68.1299, 0.3466,
0.3717

147.5884, 0.3390,
0.3620

 50.0035, 0.3502,
0.3764


183.7155, 0.3371,
0.3597

 35.4161, 0.3546,
0.3821


225.3038, 0.3356,
0.3576

 23.9836, 0.3602,
0.3895

272.7376, 0.3342,
0.3559

 15.3215, 0.3675,
0.3991

326.4014, 0.3329,
0.3543

 9.0453, 0.3773,
0.4122

386.6795, 0.3318,

 4.7707, 0.3909,

0.3529

0.4310

453.9563, 0.3308,
0.3516

■ 2.1134, 0.4160,
0.4656

■ 0.6721, 0.4589,
0.5411

■ 90.1800, 0.3436,
0.3679

■ 90.1800, 0.3436,
0.3679

■ 86.0056, 0.3611,
0.3887

■ 94.6476, 0.3270,
0.3474

■ 82.1022, 0.3790,
0.4092

■ 99.3560, 0.3121,
0.3283

■ 78.4627, 0.3969,
0.4283

■ 99.7981, 0.3121,
0.3290

■ 75.0750, 0.4140,
0.4451

■ 71.9256, 0.4296,
0.4586

■ 68.9995, 0.4428,
0.4677

■ 66.2787, 0.4532,
0.4721

■ 63.7362, 0.4607,
0.4721

■ 63.5563, 0.4612,
0.4720

Harmonies

Analogous

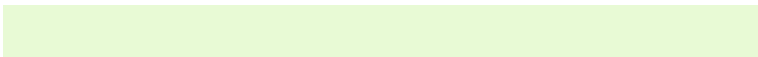
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1800, 0.3560, 0.3575



90.1800, 0.3436, 0.3679



90.1800, 0.3231, 0.3677

Triad

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



90.1800, 0.3436, 0.3679



90.1800, 0.2709, 0.3152



90.1800, 0.3241, 0.3042

Complementary

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



90.1800, 0.3436, 0.3679



68.6761, 0.2812, 0.2868

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.



90.1800, 0.3011, 0.2935



90.1800, 0.3436, 0.3679



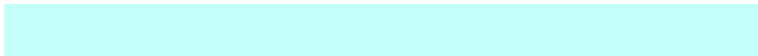
90.1800, 0.2711, 0.2990

Square

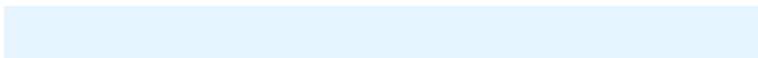
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.1800, 0.3436, 0.3679



90.1800, 0.2815, 0.3362



90.1800, 0.2819, 0.2915



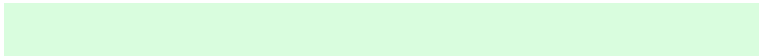
90.1800, 0.3446, 0.3210

Rectangle

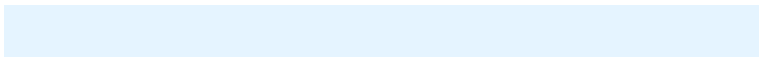
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1800, 0.3436, 0.3679



90.1800, 0.3078, 0.3610



90.1800, 0.2819, 0.2915



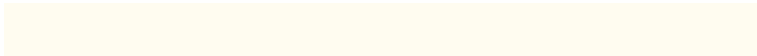
90.1800, 0.3164, 0.2998

Sweetspot

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



90.1840, 0.3436, 0.3679



97.0939, 0.3219, 0.3408



69.6529, 0.3428, 0.3183



20.7158, 0.3229, 0.3421



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

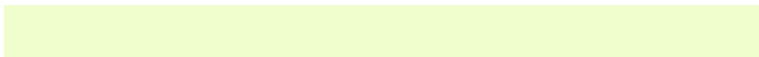
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1840, 0.3436, 0.3679



89.4415, 0.3500, 0.3757



93.7849, 0.3327, 0.3786



20.4295, 0.3274, 0.3478



33.7438, 0.4604, 0.4727



3.4362, 0.4548, 0.4771

Inverse Universe

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



68.6761, 0.2812, 0.2868



64.2211, 0.2745, 0.2775



65.8472, 0.2900, 0.2772



17.9729, 0.2979, 0.3094



5.2041, 0.1555, 0.0797



0.6526, 0.1608, 0.0989

Previews

White Background



This preview shows how the Yxy color 90.1800, 0.3436, 0.3679 looks on a white background.

Color Contrast Check

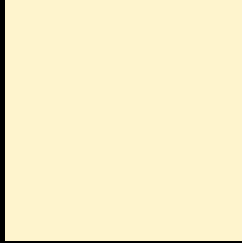
Large Text (above 18pt) WCAG AA × Fail

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 90.1800, 0.3436, 0.3679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

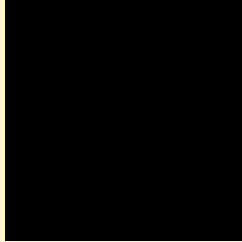
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.1800, 0.3436, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 90.1800, 0.3436, 0.3679.



This preview shows how white text looks on a background with the Yxy color 90.1800, 0.3436, 0.3679.

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

90.1800, 0.3436, 0.3679

Protanopia

90.0643, 0.3407, 0.3608

Deuteranopia

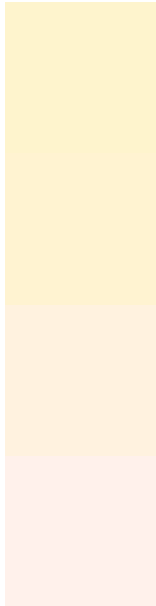
90.1111, 0.3263, 0.3359



Tritanopia

90.0213, 0.3153, 0.3165

Trichromacy



Original Color

90.1800, 0.3436, 0.3679

Protanomaly

89.9646, 0.3420, 0.3628

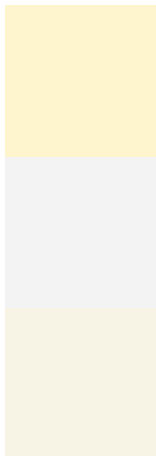
Deuteranomaly

90.0920, 0.3332, 0.3478

Tritanomaly

90.1688, 0.3257, 0.3349

Monochromacy



Original Color

90.1800, 0.3436, 0.3679

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.5325, 0.3239, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1800, 0.3436, 0.3679 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(254, 244, 205)` looks like.

```
.text, #text, p{  
    color:rgb(254, 244, 205)  
}
```

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(254, 244, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 244, 205) }
```

Border

The CSS property to change the border of an element to Yxy 90.1800, 0.3436, 0.3679 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(254, 244, 205) }
```

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

```
.border{ border-color:rgb(254, 244, 205) }
```

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

Here you see how a box with a 4 pixel rgb(254, 244, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 244, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 244, 205);  
box-shadow:4px 4px 4px 4px rgb(254, 244,  
205) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.1800, 0.3436, 0.3679$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 244, 205) }
```

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

```
.background{ background-color: rgb(254,  
244, 205) }
```

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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