

Converting Colors

$Y_{xy}(90.1841, 0.3521, 0.3910)$

Have a look what the booklet for
Yxy(90.1841, 0.3521, 0.3910)
contains.

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Color

Yxy(90.1640, 0.3521, 0.3915)

Conversions

Conversions Part 1

Format	Color
Hex	F9F7B9
RGB	249, 247, 185
RGB Percent	98%, 97%, 73%
CMY	0.0235, 0.0314, 0.2743
CMYK	0.00, 0.01, 0.26, 0.02
HSL	58°, 84%, 85%
HSV	58°, 26%, 98%
XYZ	81.0900, 90.1640, 59.0499
YIQ	240.5300, 21.0940, -18.8580

Conversions

Conversions Part 2

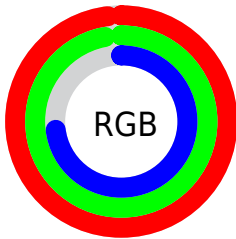
Format	Color
R_{YB}	187, 249, 185
Decimal	16381881
CIE _{Lab}	96.06, -8.82, 30.12
CIE _{LCh}	96, 31.381, 106.320
Yxy	90.1640, 0.3521, 0.3915
Android (android.graphics.Color)	4294571961 (0xFFFF9F7B9)
YUV	240.5300, -27.3763, 7.4282
Hunter-Lab	94.9547, -13.7342, 29.5974

Details

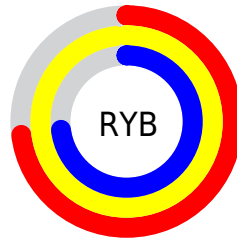
The Yxy color **90.1640, 0.3521, 0.3915** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.7206, 0.2684, 0.2578**, and the grayscale version is **87.7866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **50.1068, 0.3604, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **88.7296, 0.3675, 0.4156**, and if you desaturate by 10%, it is **91.7927, 0.3365, 0.3669**.

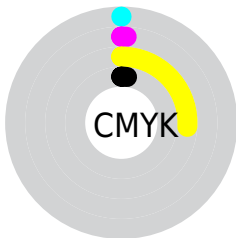
Distribution



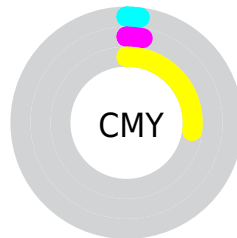
- Red (98%)
- Green (97%)
- Blue (73%)



- Red (73%)
- Yellow (98%)
- Blue (73%)



- Cyan (0%)
- Magenta (1%)
- Yellow (26%)
- Black (2%)





- Cyan (2%)
- Magenta (3%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1640, 0.3521, 0.3915 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 90.1640, 0.3521, 0.3915 by changing the saturation by 10% instead.

 90.1640, 0.3521,
0.3915

 90.1640, 0.3521,
0.3915


528.5642, 0.3350,
0.3634

 68.1167, 0.3557,
0.3977

 147.5662, 0.3464,
0.3819

 49.9927, 0.3601,
0.4052


183.6898, 0.3441,
0.3781

 35.4076, 0.3653,
0.4146


225.2743, 0.3421,
0.3749

 23.9770, 0.3717,
0.4264

272.7042, 0.3403,
0.3720

 15.3166, 0.3797,
0.4418

326.3637, 0.3388,
0.3695

 9.0419, 0.3898,
0.4625

386.6372, 0.3374,

 4.7685, 0.4020,

0.3672

0.4911

453.9093, 0.3361,
0.3652

■ 2.1121, 0.4382,
0.5618

■ 0.6714, 0.3864,
0.6136

■ 90.1640, 0.3521,
0.3915

■ 90.1640, 0.3521,
0.3915

■ 88.7296, 0.3675,
0.4156

■ 91.7927, 0.3365,
0.3669

■ 87.4677, 0.3820,
0.4382


■ 93.6124, 0.3212,
0.3425

■ 86.3720, 0.3951,
0.4584


■ 95.3263, 0.3092,
0.3235

■ 85.4307, 0.4062,
0.4752

■ 95.8112, 0.3092,
0.3243

 84.6309, 0.4149,
0.4878

 96.2982, 0.3092,
0.3251

 83.9571, 0.4208,
0.4960

 96.7872, 0.3091,
0.3258

 83.3906, 0.4241,
0.4999

 97.2782, 0.3091,
0.3266

 83.1672, 0.4250,
0.5008

 97.7712, 0.3091,
0.3273

 98.2662, 0.3091,
0.3281

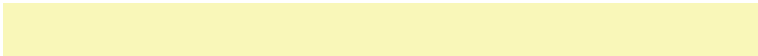
Harmonies

Analogous

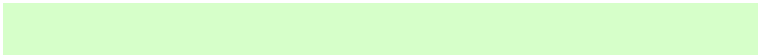
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1640, 0.3761, 0.3780



90.1640, 0.3521, 0.3915



90.1640, 0.3183, 0.3869

Triad

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



90.1640, 0.3521, 0.3915



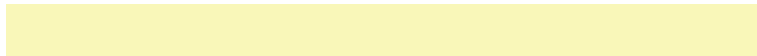
90.1640, 0.2474, 0.2987



90.1640, 0.3398, 0.2975

Complementary

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



90.1640, 0.3521, 0.3915



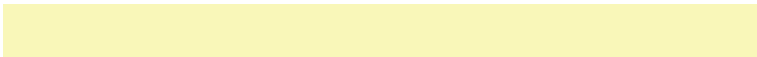
52.7206, 0.2684, 0.2578

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.



90.1640, 0.3040, 0.2787



90.1640, 0.3521, 0.3915



90.1640, 0.2522, 0.2780

Square

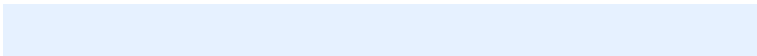
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.1640, 0.3521, 0.3915



90.1640, 0.2587, 0.3302



90.1640, 0.2723, 0.2714



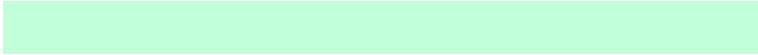
90.1640, 0.3693, 0.3240

Rectangle

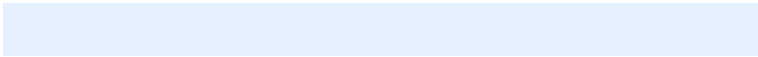
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1640, 0.3521, 0.3915



90.1640, 0.2950, 0.3731



90.1640, 0.2723, 0.2714



90.1640, 0.3280, 0.2901

Sweetspot

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



90.1680, 0.3521, 0.3915



98.3473, 0.3247, 0.3481



58.4517, 0.3658, 0.3269



20.9871, 0.3270, 0.3518



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

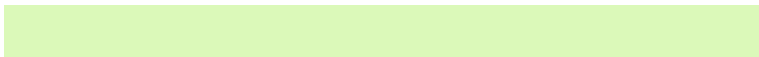
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1680, 0.3521, 0.3915



94.3401, 0.3604, 0.4045



86.3455, 0.3313, 0.3978



20.0918, 0.3270, 0.3517



44.5562, 0.4249, 0.5008



4.1552, 0.4242, 0.5014

Inverse Universe

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



52.7206, 0.2684, 0.2578



48.4567, 0.2576, 0.2403



55.9860, 0.2897, 0.2597



16.7302, 0.2979, 0.3052



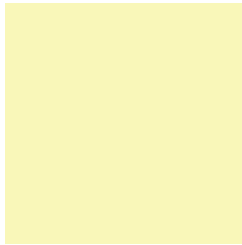
3.7896, 0.1505, 0.0619



0.3808, 0.1518, 0.0666

Previews

White Background



This preview shows how the Yxy color 90.1640, 0.3521, 0.3915 looks on a white background.

Color Contrast Check

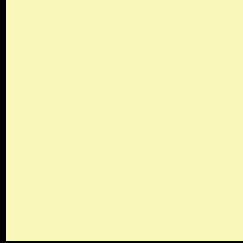
Large Text (above 18pt) WCAG AA × Fail

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 90.1640, 0.3521, 0.3915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

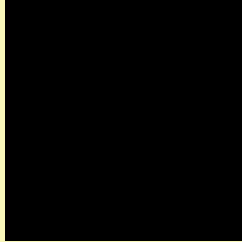
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.1640, 0.3521, 0.3915

Background



This preview shows how black text looks on a background with the Yxy color 90.1640, 0.3521, 0.3915.

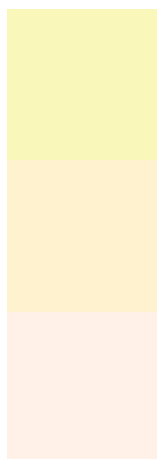


This preview shows how white text looks on a background with the Yxy color 90.1640, 0.3521, 0.3915.

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

90.1640, 0.3521, 0.3915

Protanopia

89.8662, 0.3432, 0.3648

Deuteranopia

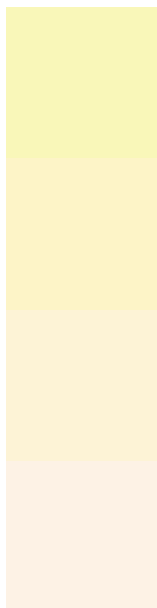
89.9401, 0.3282, 0.3388



Tritanopia

90.1488, 0.3140, 0.3146

Trichromacy



Original Color

90.1640, 0.3521, 0.3915

Protanomaly

89.7075, 0.3468, 0.3740

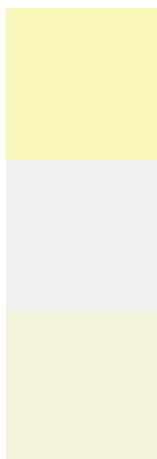
Deuteranomaly

89.8389, 0.3374, 0.3579

Tritanomaly

90.0441, 0.3280, 0.3419

Monochromacy



Original Color

90.1640, 0.3521, 0.3915

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.5547, 0.3269, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1640, 0.3521, 0.3915 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(249, 247, 185)` looks like.

```
.text, #text, p{  
    color:rgb(249, 247, 185)  
}
```

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(249, 247, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 247, 185) }
```

Border

The CSS property to change the border of an element to Yxy 90.1640, 0.3521, 0.3915 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(249, 247, 185) }
```

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

```
.border{ border-color:rgb(249, 247, 185) }
```

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

Here you see how a box with a 4 pixel rgb(249, 247, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 247, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 247, 185);  
box-shadow:4px 4px 4px 4px rgb(249, 247,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1640, 0.3521, 0.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 247, 185) }
```

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

```
.background{ background-color: rgb(249,  
247, 185) }
```

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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