

Converting Colors

$Y_{xy}(91.5841, 0.3590, 0.3960)$

Have a look what the booklet for
Yxy(91.5841, 0.3590, 0.3960)
contains.

Yxy(91.6901, 0.3591, 0.3965)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(91.6901, 0.3591, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	FFF8B4
RGB	255, 248, 180
RGB Percent	100%, 97%, 71%
CMY	0.0001, 0.0274, 0.2940
CMYK	0.00, 0.03, 0.29, 0.00
HSL	54°, 100%, 85%
HSV	54°, 29%, 100%
XYZ	83.0414, 91.6901, 56.5172
YIQ	242.3410, 26.0000, -19.6640

Conversions

Conversions Part 2

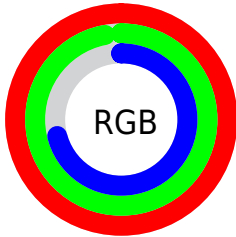
Format	Color
R_{YB}	188, 255, 180
Decimal	16775348
CIE _{Lab}	96.69, -7.75, 33.57
CIE _{LCh}	97, 34.451, 103.008
Yxy	91.6901, 0.3591, 0.3965
Android (android.graphics.Color)	4294965428 (0xFFFFF8B4)
YUV	242.3410, -30.7341, 11.1019
Hunter-Lab	95.7549, -12.7709, 32.0339

Details

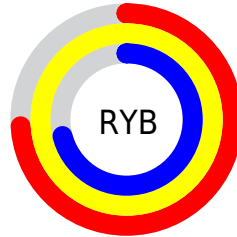
The Yxy color **91.6901, 0.3591, 0.3965** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.4646, 0.2615, 0.2511**, and the grayscale version is **89.3121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **51.1019, 0.3676, 0.4110** is the 20% darker color. If you saturate the color by 10%, you get **89.3008, 0.3752, 0.4191**, and if you desaturate by 10%, it is **94.2973, 0.3428, 0.3732**.

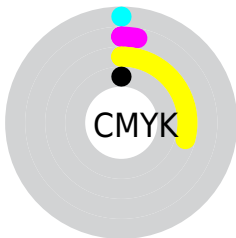
Distribution



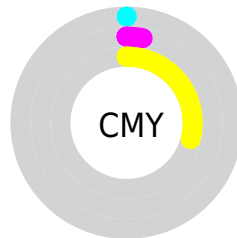
- Red (100%)
- Green (97%)
- Blue (71%)



- Red (74%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (3%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.6901, 0.3591, 0.3965 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 91.6901, 0.3591, 0.3965 by changing the saturation by 10% instead.


 91.6901, 0.3591,
0.3965

 91.6901, 0.3591,
0.3965


533.5135, 0.3390,
0.3663

 69.3833, 0.3633,
0.4031


 149.6838, 0.3524,
0.3863

 51.0239, 0.3684,
0.4110


186.1395, 0.3497,
0.3822

 36.2276, 0.3744,
0.4208


228.0802, 0.3474,
0.3787

 24.6100, 0.3818,
0.4331

275.8903, 0.3453,
0.3756

 15.7868, 0.3910,
0.4489

329.9544, 0.3435,
0.3729

 9.3734, 0.4022,
0.4696

390.6566, 0.3418,

 4.9855, 0.4156,

0.3705

0.4975

458.3815, 0.3404,
0.3683

■ 2.2388, 0.4451,
0.5549

■ 0.7410, 0.4100,
0.5900

■ 91.6901, 0.3591,
0.3965

■ 91.6901, 0.3591,
0.3965

■ 89.3008, 0.3752,
0.4191

■ 94.2973, 0.3428,
0.3732

■ 87.1064, 0.3906,
0.4400

■ 97.1197, 0.3270,
0.3501

■ 85.0995, 0.4047,
0.4583

99.9954, 0.3127,
0.3290

■ 83.2672, 0.4166,
0.4730

■ 81.5947, 0.4261,
0.4835

■ 80.0646, 0.4327,
0.4893

■ 78.6501, 0.4368,
0.4912

■ 78.5660, 0.4370,
0.4912

Harmonies

Analogous

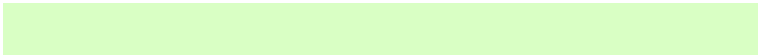
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6901, 0.3837, 0.3796



91.6901, 0.3591, 0.3965



91.6901, 0.3229, 0.3942

Triad

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



91.6901, 0.3591, 0.3965



91.6901, 0.2423, 0.2991



91.6901, 0.3380, 0.2920

Complementary

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



91.6901, 0.3591, 0.3965



52.4646, 0.2615, 0.2511

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.



91.6901, 0.2988, 0.2729



91.6901, 0.3591, 0.3965



91.6901, 0.2456, 0.2751

Square

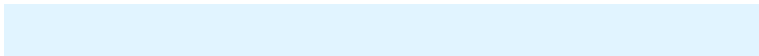
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.6901, 0.3591, 0.3965



91.6901, 0.2563, 0.3343



91.6901, 0.2656, 0.2665



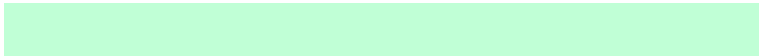
91.6901, 0.3717, 0.3200

Rectangle

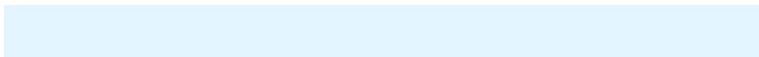
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.6901, 0.3591, 0.3965



91.6901, 0.2973, 0.3805



91.6901, 0.2656, 0.2665



91.6901, 0.3249, 0.2844

Sweetspot

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



91.6942, 0.3591, 0.3965



97.2559, 0.3264, 0.3492



57.5214, 0.3720, 0.3213



20.7256, 0.3286, 0.3525



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

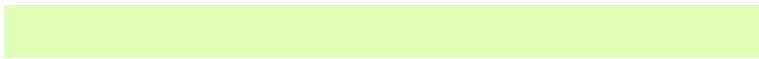
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.6942, 0.3591, 0.3965



90.3464, 0.3682, 0.4093



90.8085, 0.3371, 0.4079



20.7850, 0.3271, 0.3503



41.1800, 0.4366, 0.4915



4.0903, 0.4344, 0.4933

Inverse Universe

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



52.4646, 0.2615, 0.2511



45.5888, 0.2502, 0.2334



53.5770, 0.2819, 0.2478



17.6490, 0.2979, 0.3067



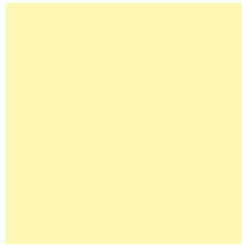
4.1978, 0.1517, 0.0660



0.4959, 0.1551, 0.0783

Previews

White Background



This preview shows how the Yxy color 91.6901, 0.3591, 0.3965 looks on a white background.

Color Contrast Check

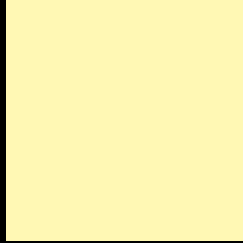
Large Text (above 18pt) WCAG AA × Fail

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 91.6901, 0.3591, 0.3965 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 91.6901, 0.3591, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 91.6901, 0.3591, 0.3965.

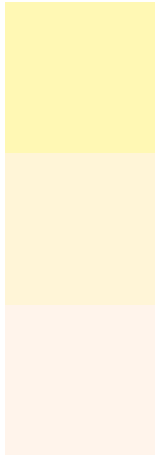


This preview shows how white text looks on a background with the Yxy color 91.6901, 0.3591, 0.3965.

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

91.6901, 0.3591, 0.3965

Protanopia

91.4711, 0.3378, 0.3587

Deuteranopia

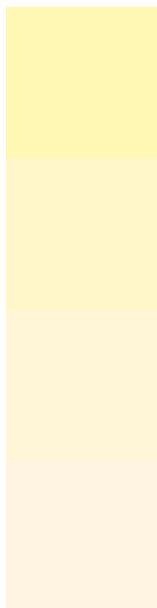
91.9595, 0.3254, 0.3378



Tritanopia

91.7293, 0.3157, 0.3203

Trichromacy



Original Color

91.6901, 0.3591, 0.3965

Protanomaly

91.4358, 0.3459, 0.3727

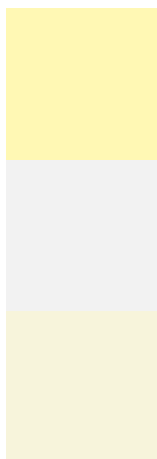
Deuteranomaly

91.4711, 0.3378, 0.3587

Tritanomaly

91.3976, 0.3317, 0.3477

Monochromacy



Original Color

91.6901, 0.3591, 0.3965

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.5900, 0.3300, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.6901, 0.3591, 0.3965 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(255, 248, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 180)  
}
```

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(255, 248, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 180) }
```

Border

The CSS property to change the border of an element to Yxy 91.6901, 0.3591, 0.3965 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(255, 248, 180) }
```

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

```
.border{ border-color:rgb(255, 248, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 91.6901, 0.3591, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 180) }
```

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

```
.background{ background-color: rgb(255,  
248, 180) }
```

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