

Converting Colors

$Y_{xy}(114.5787, 0.4328, 0.3934)$

Have a look what the booklet for
Yxy(114.5787, 0.4328, 0.3934)
contains.

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Color

Yxy(91.6917, 0.3685, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	FFF9A4
RGB	255, 249, 164
RGB Percent	100%, 98%, 64%
CMY	0.0001, 0.0235, 0.3568
CMYK	0.00, 0.02, 0.36, 0.00
HSL	56°, 100%, 82%
HSV	56°, 36%, 100%
XYZ	81.8121, 91.6917, 48.5100
YIQ	241.1040, 30.8610, -25.1630

Conversions

Conversions Part 2

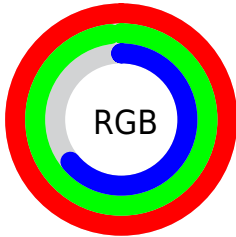
Format	Color
RYB	170, 255, 164
Decimal	16775588
CIELab	96.69, -10.13, 41.55
CIELCh	97, 42.765, 103.699
Yxy	91.6917, 0.3685, 0.4130
Android (android.graphics.Color)	4294965668 (0xFFFFF9A4)
YUV	241.1040, -38.0123, 12.1868
Hunter-Lab	95.7558, -15.0653, 36.9927

Details

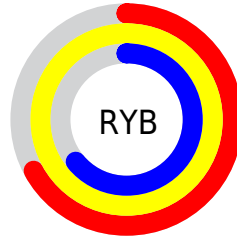
The Yxy color **91.6917, 0.3685, 0.4130** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.8531, 0.2484, 0.2283**, and the grayscale version is **88.3372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **51.1579, 0.3789, 0.4311** is the 20% darker color. If you saturate the color by 10%, you get **89.8350, 0.3837, 0.4351**, and if you desaturate by 10%, it is **93.7507, 0.3526, 0.3895**.

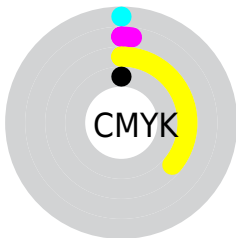
Distribution



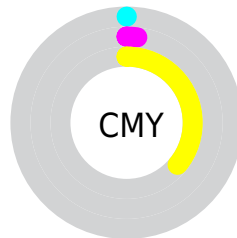
- Red (100%)
- Green (98%)
- Blue (64%)



- Red (67%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 91.6917, 0.3685, 0.4130 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 91.6917, 0.3685, 0.4130 by changing the saturation by 10% instead.


 91.6917, 0.3685,
0.4130


 91.6917, 0.3685,
0.4130

533.5187, 0.3447,
0.3756

 69.3846, 0.3734,
0.4211


 149.6860, 0.3607,
0.4004

 51.0250, 0.3791,
0.4308

 186.1420, 0.3575,
0.3954

 36.2285, 0.3859,
0.4427


228.0831, 0.3547,
0.3910

 24.6107, 0.3939,
0.4573

275.8937, 0.3523,
0.3871

 15.7873, 0.4033,
0.4758

329.9581, 0.3501,
0.3837

 9.3737, 0.4139,
0.4993


390.6608, 0.3481,


 4.9858, 0.4301,


0.3807

0.5363


458.3862, 0.3463,
0.3780

 2.2389, 0.4318,
0.5682


 0.7411, 0.3815,
0.6185


 91.6917, 0.3685,
0.4130


 91.6917, 0.3685,
0.4130


 89.8350, 0.3837,
0.4351


 93.7507, 0.3526,
0.3895

 88.1569, 0.3977,
0.4549

 96.0095, 0.3367,
0.3656

 86.6492, 0.4097,
0.4713

 98.4820, 0.3212,
0.3420

 85.2981, 0.4193,
0.4836

99.9967, 0.3127,
0.3290

■ 84.0872, 0.4261,
0.4915

■ 82.9966, 0.4303,
0.4950

■ 82.5499, 0.4315,
0.4956

Harmonies

Analogous

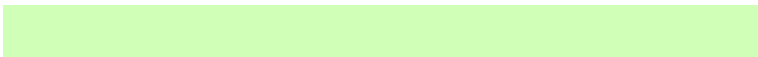
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6917, 0.4000, 0.3911



91.6917, 0.3685, 0.4130



91.6917, 0.3234, 0.4107

Triad

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



91.6917, 0.3685, 0.4130



91.6917, 0.2265, 0.2903



91.6917, 0.3448, 0.2844

Complementary

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



91.6917, 0.3685, 0.4130



43.8531, 0.2484, 0.2283

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.



91.6917, 0.2962, 0.2611



91.6917, 0.3685, 0.4130



91.6917, 0.2310, 0.2620

Square

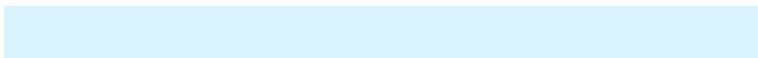
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.6917, 0.3685, 0.4130



91.6917, 0.2427, 0.3339



91.6917, 0.2554, 0.2526



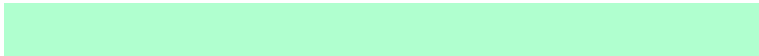
91.6917, 0.3868, 0.3182

Rectangle

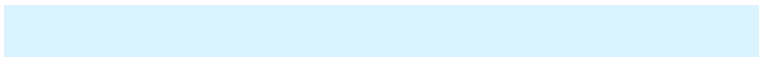
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.6917, 0.3685, 0.4130



91.6917, 0.2921, 0.3932



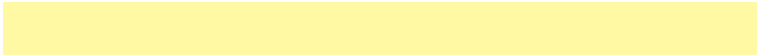
91.6917, 0.2554, 0.2526



91.6917, 0.3286, 0.2752

Sweetspot

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



91.6959, 0.3685, 0.4130



97.1543, 0.3294, 0.3545



50.7149, 0.3932, 0.3228



20.7239, 0.3315, 0.3577



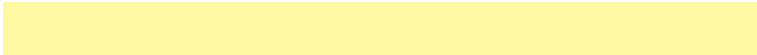
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

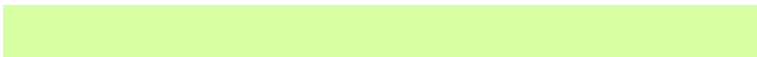
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.6959, 0.3685, 0.4130



90.3290, 0.3797, 0.4294



88.7215, 0.3398, 0.4268



20.8745, 0.3271, 0.3510



43.2279, 0.4313, 0.4957



4.2680, 0.4298, 0.4969

Inverse Universe

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



43.8531, 0.2484, 0.2283



35.9060, 0.2330, 0.2036



46.5290, 0.2759, 0.2290



17.5690, 0.2978, 0.3060



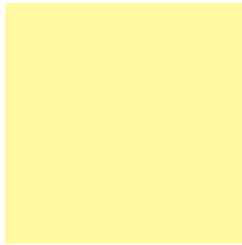
4.0491, 0.1511, 0.0639



0.4582, 0.1536, 0.0730

Previews

White Background



This preview shows how the Yxy color 91.6917, 0.3685, 0.4130 looks on a white background.

Color Contrast Check

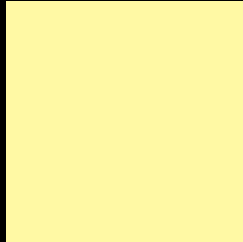
Large Text (above 18pt) WCAG AA × Fail

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 91.6917, 0.3685, 0.4130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

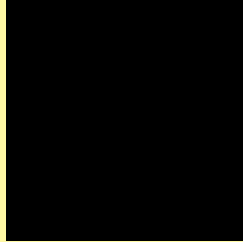
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.6917, 0.3685, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 91.6917, 0.3685, 0.4130.

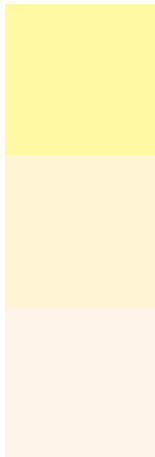


This preview shows how white text looks on a background with the Yxy color 91.6917, 0.3685, 0.4130.

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

91.6917, 0.3685, 0.4130

Protanopia

91.3689, 0.3391, 0.3607

Deuteranopia

91.9019, 0.3260, 0.3388



Tritanopia

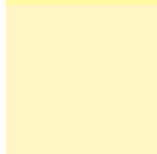
91.6664, 0.3163, 0.3213

Trichromacy



Original Color

91.6917, 0.3685, 0.4130



Protanomaly

91.1117, 0.3503, 0.3797



Deuteranomaly

91.7750, 0.3415, 0.3656



Tritanomaly

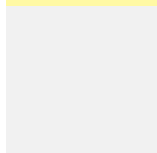
91.6793, 0.3353, 0.3547

Monochromacy



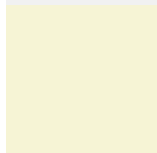
Original Color

91.6917, 0.3685, 0.4130



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.0983, 0.3331, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.6917, 0.3685, 0.4130 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, 249, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 164)  
}
```

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, 249, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 164) }
```

Border

The CSS property to change the border of an element to Yxy 91.6917, 0.3685, 0.4130 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, 249, 164) }
```

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

```
.border{ border-color:rgb(255, 249, 164) }
```

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

Here you see how a box with a 4 pixel rgb(255, 249, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 91.6917, 0.3685, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 164) }
```

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

```
.background{ background-color: rgb(255,  
249, 164) }
```

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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