

Converting Colors

$Y_{xy}(100.0000, 0.3977, 0.4013)$

Have a look what the booklet for
Yxy(100.0000, 0.3977, 0.4013)
contains.

Yxy(91.1480, 0.3676, 0.4102)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(91.1480, 0.3676, 0.4102)

Conversions

Conversions Part 1

Format	Color
Hex	FFF8A6
RGB	255, 248, 166
RGB Percent	100%, 97%, 65%
CMY	0.0001, 0.0274, 0.3489
CMYK	0.00, 0.03, 0.35, 0.00
HSL	55°, 100%, 83%
HSV	55°, 35%, 100%
XYZ	81.6821, 91.1480, 49.3737
YIQ	240.7450, 30.4940, -24.0180

Conversions

Conversions Part 2

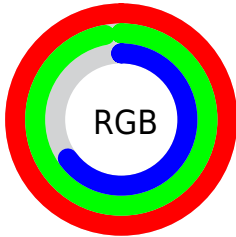
Format	Color
RYB	174, 255, 166
Decimal	16775334
CIELab	96.47, -9.42, 40.26
CIELCh	96, 41.349, 103.165
Yxy	91.1480, 0.3676, 0.4102
Android (android.graphics.Color)	4294965414 (0xFFFFF8A6)
YUV	240.7450, -36.8493, 12.5016
Hunter-Lab	95.4715, -14.3566, 36.1678

Details

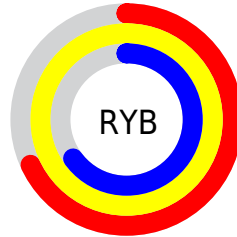
The Yxy color **91.1480, 0.3676, 0.4102** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.2026, 0.2503, 0.2322**, and the grayscale version is **88.0297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **50.7618, 0.3780, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **89.0887, 0.3831, 0.4323**, and if you desaturate by 10%, it is **93.4141, 0.3515, 0.3869**.

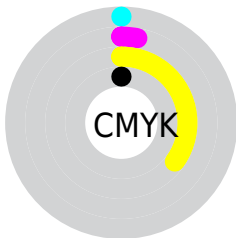
Distribution



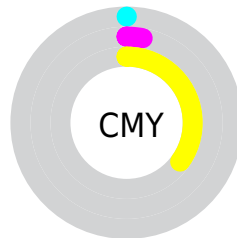
- Red (100%)
- Green (97%)
- Blue (65%)



- Red (68%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.1480, 0.3676, 0.4102 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 91.1480, 0.3676, 0.4102 by changing the saturation by 10% instead.

 91.1480, 0.3676,
0.4102


 91.1480, 0.3676,
0.4102


531.7582, 0.3441,
0.3740

 68.9332, 0.3725,
0.4180

 148.9320, 0.3598,
0.3980

 50.6573, 0.3782,
0.4275


 185.2700, 0.3567,
0.3931

 35.9359, 0.3849,
0.4390


227.0844, 0.3540,
0.3889

 24.3847, 0.3930,
0.4533

274.7598, 0.3515,
0.3852

 15.6193, 0.4026,
0.4714

328.6805, 0.3494,
0.3819

 9.2551, 0.4136,
0.4944

389.2308, 0.3474,

 4.9080, 0.4297,

0.3790

456.7953, 0.3457,
0.3763

0.5297

■ 2.1934, 0.4354,
0.5646

■ 0.7164, 0.3863,
0.6137

■ 91.1480, 0.3676,
0.4102

■ 91.1480, 0.3676,
0.4102

■ 89.0887, 0.3831,
0.4323

■ 93.4141, 0.3515,
0.3869

■ 87.2128, 0.3975,
0.4521

■ 95.8847, 0.3355,
0.3633

■ 85.5121, 0.4100,
0.4687

■ 98.5734, 0.3200,
0.3400

■ 83.9729, 0.4202,
0.4812

99.9933, 0.3127,
0.3290

■ 82.5791, 0.4277,
0.4893

■ 81.3110, 0.4324,
0.4930

■ 80.6965, 0.4340,
0.4936

Harmonies

Analogous

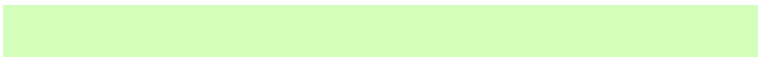
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1480, 0.3977, 0.3889



91.1480, 0.3676, 0.4102



91.1480, 0.3240, 0.4083

Triad

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



91.1480, 0.3676, 0.4102



91.1480, 0.2291, 0.2922



91.1480, 0.3431, 0.2852

Complementary

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



91.1480, 0.3676, 0.4102



45.2026, 0.2503, 0.2322

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.



91.1480, 0.2960, 0.2627



91.1480, 0.3676, 0.4102



91.1480, 0.2331, 0.2644

Square

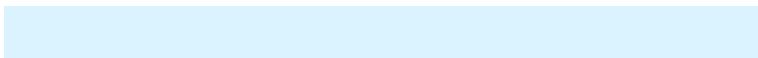
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.1480, 0.3676, 0.4102



91.1480, 0.2452, 0.3347



91.1480, 0.2566, 0.2548



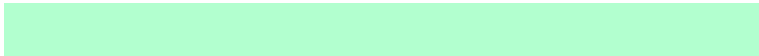
91.1480, 0.3839, 0.3179

Rectangle

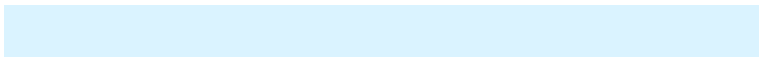
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.1480, 0.3676, 0.4102



91.1480, 0.2936, 0.3917



91.1480, 0.2566, 0.2548



91.1480, 0.3273, 0.2763

Sweetspot

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



91.1521, 0.3676, 0.4102



97.2006, 0.3279, 0.3518



51.5675, 0.3893, 0.3214



20.7246, 0.3301, 0.3551



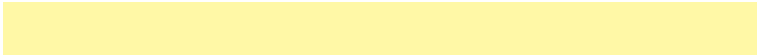
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

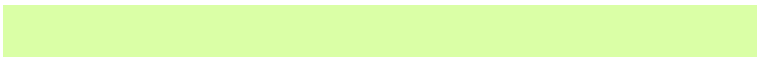
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.1521, 0.3676, 0.4102



89.6923, 0.3787, 0.4261



89.1423, 0.3403, 0.4241



20.8335, 0.3271, 0.3507



42.2808, 0.4337, 0.4938



4.1859, 0.4319, 0.4953

Inverse Universe

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



45.2026, 0.2503, 0.2322



37.3732, 0.2354, 0.2086



47.2059, 0.2758, 0.2311



17.6056, 0.2978, 0.3064



4.1126, 0.1514, 0.0648



0.4754, 0.1543, 0.0754

Previews

White Background



This preview shows how the Yxy color 91.1480, 0.3676, 0.4102 looks on a white background.

Color Contrast Check

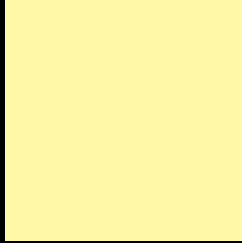
Large Text (above 18pt) WCAG AA × Fail

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 91.1480, 0.3676, 0.4102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

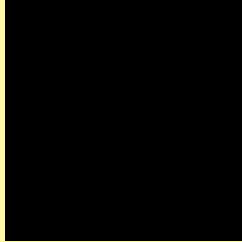
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.1480, 0.3676, 0.4102

Background



This preview shows how black text looks on a background with the Yxy color 91.1480, 0.3676, 0.4102.

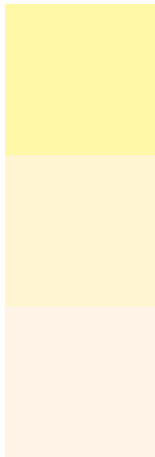


This preview shows how white text looks on a background with the Yxy color 91.1480, 0.3676, 0.4102.

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

91.1480, 0.3676, 0.4102

Protanopia

91.2180, 0.3410, 0.3637

Deuteranopia

91.1874, 0.3274, 0.3398



Tritanopia

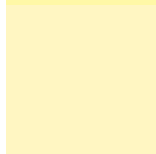
91.0727, 0.3164, 0.3203

Trichromacy



Original Color

91.1480, 0.3676, 0.4102



Protanomaly

91.0666, 0.3509, 0.3807



Deuteranomaly

91.1189, 0.3423, 0.3657



Tritanomaly

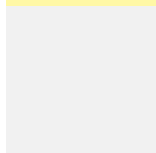
91.0758, 0.3354, 0.3537

Monochromacy



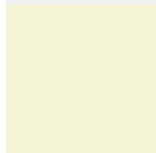
Original Color

91.1480, 0.3676, 0.4102



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.1492, 0.3325, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.1480, 0.3676, 0.4102 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 166) }
```

Border

The CSS property to change the border of an element to Yxy 91.1480, 0.3676, 0.4102 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, 166) }
```

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

```
.border{ border-color:rgb(255, 248, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 91.1480, 0.3676, 0.4102 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, 166) }
```

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

```
.background{ background-color: rgb(255,  
248, 166) }
```

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