

Converting Colors

$Y_{xy}(153.9280, 0.4749, 0.3564)$

Have a look what the booklet for
Yxy(153.9280, 0.4749, 0.3564)
contains.

Yxy(91.9050, 0.3476, 0.3766)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(91.9050, 0.3476, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7C7
RGB	255, 247, 199
RGB Percent	100%, 97%, 78%
CMY	0.0000, 0.0314, 0.2196
CMYK	0.00, 0.03, 0.22, 0.00
HSL	51°, 100%, 89%
HSV	51°, 22%, 100%
XYZ	84.8279, 91.9050, 67.3059
YIQ	243.9200, 20.1760, -13.2320

Conversions

Conversions Part 2

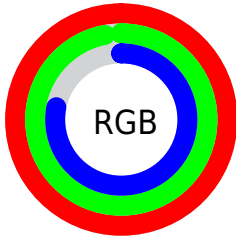
Format	Color
R _Y B	208, 255, 199
Decimal	16775111
CIE Lab	96.78, -4.73, 24.08
CIE LCh	97, 24.540, 101.113
Yxy	91.9050, 0.3476, 0.3766
Android (android.graphics.Color)	4294965191 (0xFFFFF7C7)
YUV	243.9200, -22.1456, 9.7172
Hunter-Lab	95.8671, -9.8219, 25.4809

Details

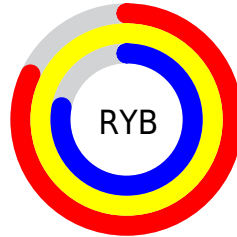
The Yxy color **91.9050, 0.3476, 0.3766** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.0006, 0.2761, 0.2764**, and the grayscale version is **90.5609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.3117, 0.3548, 0.3871** is the 20% darker color. If you saturate the color by 10%, you get **88.5992, 0.3644, 0.3987**, and if you desaturate by 10%, it is **95.4365, 0.3312, 0.3545**.

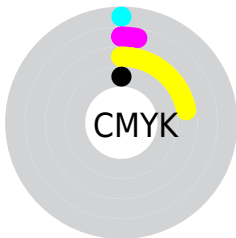
Distribution



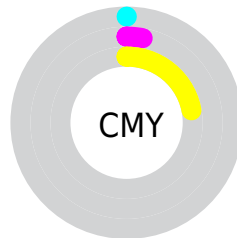
- Red (100%)
- Green (97%)
- Blue (78%)



- Red (82%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (3%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.9050, 0.3476, 0.3766 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 91.9050, 0.3476, 0.3766 by changing the saturation by 10% instead.


 91.9050, 0.3476,
0.3766

 91.9050, 0.3476,
0.3766

534.2084, 0.3323,
0.3554

 69.5617, 0.3509,
0.3813


149.9817, 0.3425,
0.3694

 51.1693, 0.3549,
0.3869


186.4840, 0.3404,
0.3665

 36.3434, 0.3597,
0.3939


228.4746, 0.3386,
0.3641

 24.6995, 0.3658,
0.4028

276.3381, 0.3371,
0.3619

 15.8533, 0.3735,
0.4144

330.4589, 0.3357,
0.3600

 9.4204, 0.3838,
0.4300


391.2213, 0.3344,


 5.0164, 0.3975,


0.3583


0.4521

459.0096, 0.3333,
0.3567

 2.2569, 0.4273,
0.4979


 0.7507, 0.4434,
0.5566

 91.9050, 0.3476,
0.3766


 91.9050, 0.3476,
0.3766

 88.5992, 0.3644,
0.3987


 95.4365, 0.3312,
0.3545

 85.5337, 0.3814,
0.4201

 99.2278, 0.3156,
0.3331

 82.6893, 0.3977,
0.4397

100.0000, 0.3127,
0.3290

 80.0539, 0.4126,
0.4565

■ 77.6140, 0.4256,
0.4696

■ 75.3542, 0.4359,
0.4783

■ 73.2557, 0.4434,
0.4823

■ 71.6626, 0.4476,
0.4828

Harmonies

Analogous

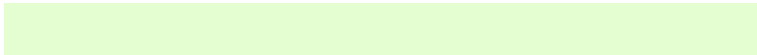
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9050, 0.3640, 0.3648



91.9050, 0.3476, 0.3766



91.9050, 0.3222, 0.3751

Triad

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



91.9050, 0.3476, 0.3766



91.9050, 0.2620, 0.3097



91.9050, 0.3292, 0.3011

Complementary

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



91.9050, 0.3476, 0.3766



64.0006, 0.2761, 0.2764

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.



91.9050, 0.3014, 0.2875



91.9050, 0.3476, 0.3766



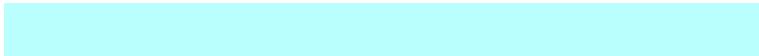
91.9050, 0.2636, 0.2914

Square

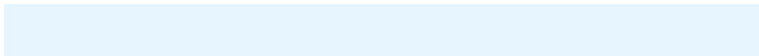
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.9050, 0.3476, 0.3766



91.9050, 0.2733, 0.3349



91.9050, 0.2777, 0.2838



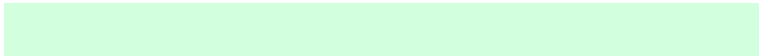
91.9050, 0.3533, 0.3215

Rectangle

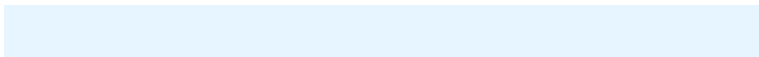
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.9050, 0.3476, 0.3766



91.9050, 0.3038, 0.3661



91.9050, 0.2777, 0.2838



91.9050, 0.3199, 0.2956

Sweetspot

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



91.8968, 0.3476, 0.3766



97.2838, 0.3233, 0.3438



66.6362, 0.3510, 0.3205



20.7739, 0.3243, 0.3451



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.



91.8968, 0.3476, 0.3766



90.5350, 0.3543, 0.3856



93.3749, 0.3330, 0.3864



20.6213, 0.3273, 0.3492



37.6150, 0.4471, 0.4832



3.7785, 0.4434, 0.4861

Inverse Universe

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



64.0006, 0.2761, 0.2764



58.4756, 0.2685, 0.2653



63.0703, 0.2889, 0.2697



17.7970, 0.2979, 0.3080



4.5738, 0.1531, 0.0712



0.5654, 0.1577, 0.0876

Previews

White Background



This preview shows how the Yxy color 91.9050, 0.3476, 0.3766 looks on a white background.

Color Contrast Check

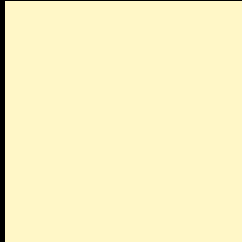
Large Text (above 18pt) WCAG AA × Fail

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 91.9050, 0.3476, 0.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

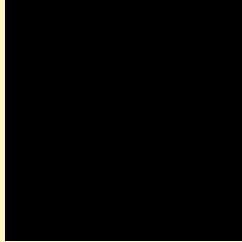
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.9050, 0.3476, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 91.9050, 0.3476, 0.3766.

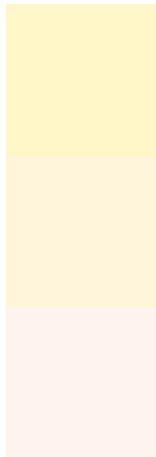


This preview shows how white text looks on a background with the Yxy color 91.9050, 0.3476, 0.3766.

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

91.9050, 0.3476, 0.3766

Protanopia

91.6268, 0.3359, 0.3557

Deuteranopia

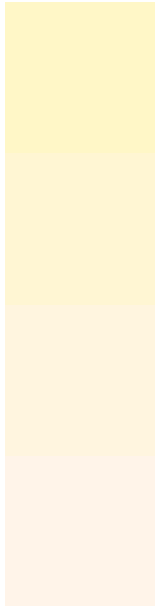
92.0758, 0.3242, 0.3358



Tritanopia

91.7925, 0.3151, 0.3194

Trichromacy



Original Color

91.9050, 0.3476, 0.3766

Protanomaly

91.8747, 0.3402, 0.3636

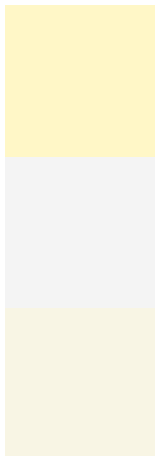
Deuteranomaly

91.8925, 0.3328, 0.3507

Tritanomaly

91.8446, 0.3267, 0.3398

Monochromacy



Original Color

91.9050, 0.3476, 0.3766

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.8627, 0.3250, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.9050, 0.3476, 0.3766 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, 247, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 199)  
}
```

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, 247, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 199) }
```

Border

The CSS property to change the border of an element to Yxy 91.9050, 0.3476, 0.3766 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, 247, 199) }
```

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

```
.border{ border-color:rgb(255, 247, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 247, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 247, 199); box-shadow:4px 4px 4px 4px rgb(255, 247, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 91.9050, 0.3476, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 199) }
```

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

```
.background{ background-color: rgb(255,  
247, 199) }
```

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