

Converting Colors

$Y_{xy}(100.0000, 0.4064, 0.4156)$

Have a look what the booklet for
Yxy(100.0000, 0.4064, 0.4156)
contains.

| | |
|---|----|
| Yxy(91.2134, 0.3767, 0.4261) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(91.2134, 0.3767, 0.4261)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFF996 |
| RGB | 255, 249, 150 |
| RGB Percent | 100%, 98%, 59% |
| CMY | 0.0000, 0.0236, 0.4117 |
| CMYK | 0.00, 0.02, 0.41, 0.00 |
| HSL | 57°, 100%, 79% |
| HSV | 57°, 41%, 100% |
| XYZ | 80.6386, 91.2134, 42.2138 |
| YIQ | 239.5080, 35.3550, -29.5170 |

Conversions

Conversions Part 2

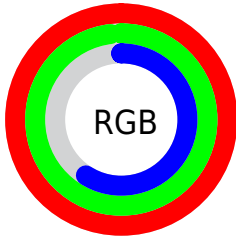
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 156, 255, 150 |
| Decimal | 16775574 |
| CIE Lab | 96.50, -11.57, 48.13 |
| CIE LCh | 96, 49.497, 103.514 |
| Yxy | 91.2134, 0.3767, 0.4261 |
| Android (android.graphics.Color) | 4294965654 (0xFFFFF996) |
| YUV | 239.5080, -44.1274, 13.5865 |
| Hunter-Lab | 95.5057, -16.4217, 40.6477 |

Details

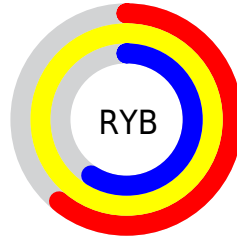
The Yxy color **91.2134, 0.3767, 0.4261** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.4904, 0.2367, 0.2087**, and the grayscale version is **87.0573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **50.8733, 0.3885, 0.4466** is the 20% darker color. If you saturate the color by 10%, you get **89.5721, 0.3911, 0.4472**, and if you desaturate by 10%, it is **93.0249, 0.3612, 0.4031**.

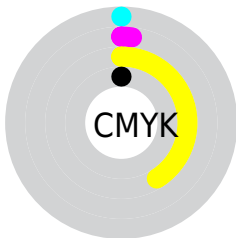
Distribution



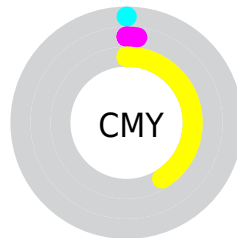
- Red (100%)
- Green (98%)
- Blue (59%)



- Red (61%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (2%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.2134, 0.3767, 0.4261 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 91.2134, 0.3767, 0.4261 by changing the saturation by 10% instead.


 91.2134, 0.3767,
0.4261

 91.2134, 0.3767,
0.4261


531.9701, 0.3498,
0.3830

 68.9875, 0.3821,
0.4353


 149.0227, 0.3680,
0.4116

 50.7015, 0.3883,
0.4463


 185.3749, 0.3644,
0.4059

 35.9711, 0.3955,
0.4595


227.2046, 0.3612,
0.4008

 24.4119, 0.4038,
0.4757

274.8963, 0.3584,
0.3964

 15.6394, 0.4130,
0.4956

328.8343, 0.3559,
0.3925

 9.2694, 0.4221,
0.5198

389.4030, 0.3536,

 4.9173, 0.4387,

0.3890

0.5613

456.9868, 0.3516,
0.3858

■ 2.1988, 0.4233,
0.5767

■ 0.7194, 0.3581,
0.6419

■ 91.2134, 0.3767,
0.4261

■ 91.2134, 0.3767,
0.4261

■ 89.5721, 0.3911,
0.4472

■ 93.0249, 0.3612,
0.4031

■ 88.1127, 0.4038,
0.4653

■ 95.0405, 0.3454,
0.3792

■ 86.8141, 0.4143,
0.4796

■ 97.2625, 0.3296,
0.3551

■ 85.6614, 0.4222,
0.4896

■ 99.6999, 0.3144,
0.3317

■ 84.6364, 0.4273, 100.0000, 0.3127,
0.4951 0.3290

■ 83.8130, 0.4299,
0.4969

Harmonies

Analogous

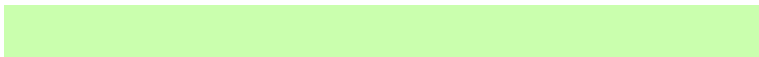
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2134, 0.4134, 0.3993



91.2134, 0.3767, 0.4261



91.2134, 0.3246, 0.4250

Triad

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



91.2134, 0.3767, 0.4261



91.2134, 0.2141, 0.2838



91.2134, 0.3493, 0.2777

Complementary

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



91.2134, 0.3767, 0.4261



37.4904, 0.2367, 0.2087

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.



91.2134, 0.2930, 0.2514



91.2134, 0.3767, 0.4261



91.2134, 0.2192, 0.2519

Square

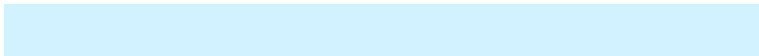
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.2134, 0.3767, 0.4261



91.2134, 0.2323, 0.3344



91.2134, 0.2466, 0.2417



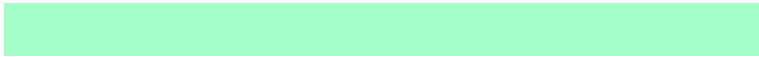
91.2134, 0.3985, 0.3157

Rectangle

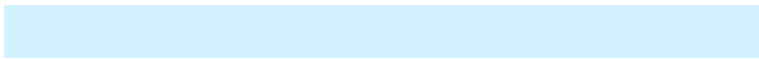
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.2134, 0.3767, 0.4261



91.2134, 0.2886, 0.4047



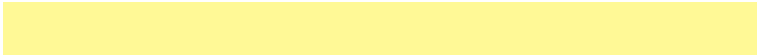
91.2134, 0.2466, 0.2417



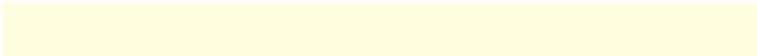
91.2134, 0.3303, 0.2674

Sweetspot

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



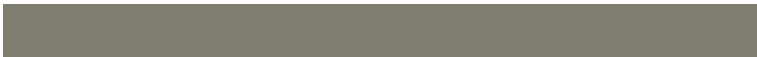
91.2056, 0.3767, 0.4261



97.0704, 0.3309, 0.3571



45.5111, 0.4119, 0.3219



20.7129, 0.3330, 0.3602



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

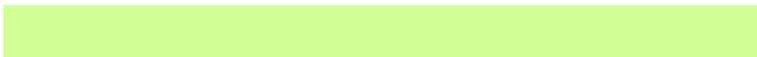
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.2056, 0.3767, 0.4261



89.9117, 0.3881, 0.4428



87.3515, 0.3433, 0.4429



20.9019, 0.3271, 0.3512



43.8711, 0.4297, 0.4970



4.3237, 0.4284, 0.4980

Inverse Universe

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



37.4904, 0.2367, 0.2087



29.9199, 0.2201, 0.1817



40.7062, 0.2687, 0.2120



17.5446, 0.2978, 0.3058



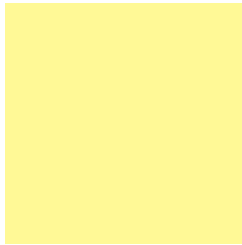
4.0109, 0.1510, 0.0634



0.4466, 0.1532, 0.0714

Previews

White Background



This preview shows how the Yxy color 91.2134, 0.3767, 0.4261 looks on a white background.

Color Contrast Check

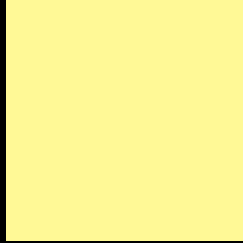
Large Text (above 18pt) WCAG AA × Fail

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 91.2134, 0.3767, 0.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

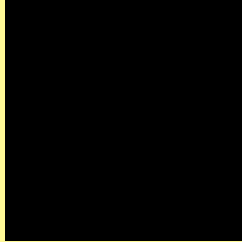
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.2134, 0.3767, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 91.2134, 0.3767, 0.4261.

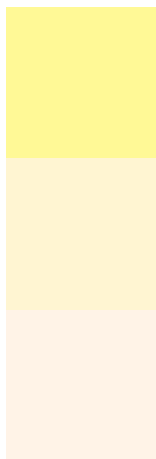


This preview shows how white text looks on a background with the Yxy color 91.2134, 0.3767, 0.4261.

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

91.2134, 0.3767, 0.4261

Protanopia

91.2180, 0.3410, 0.3637

Deuteranopia

91.1307, 0.3280, 0.3408



Tritanopia

91.0727, 0.3164, 0.3203

Trichromacy



Original Color

91.2134, 0.3767, 0.4261



Protanomaly

90.8024, 0.3547, 0.3867



Deuteranomaly

90.8291, 0.3461, 0.3717



Tritanomaly

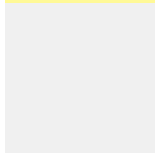
90.8164, 0.3386, 0.3587

Monochromacy



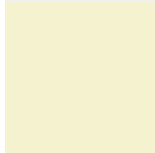
Original Color

91.2134, 0.3767, 0.4261



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.0187, 0.3363, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.2134, 0.3767, 0.4261 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, 150)` looks like.

```
.text, #text, p{  
  color:rgb(255, 249, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 150) }
```

Border

The CSS property to change the border of an element to Yxy 91.2134, 0.3767, 0.4261 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, 150) }
```

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

```
.border{ border-color:rgb(255, 249, 150) }
```

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, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 91.2134, 0.3767, 0.4261 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, 150) }
```

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

```
.background{ background-color: rgb(255,  
249, 150) }
```

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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