

# Converting Colors

$Y_{xy}(91.7129, 0.3762, 0.4553)$

Have a look what the booklet for  
Yxy(91.7129, 0.3762, 0.4553)  
contains.

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# Color

**Yxy(91.7531, 0.3767, 0.4556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FF7F
RGB	241, 255, 127
RGB Percent	95%, 100%, 50%
CMY	0.0549, 0.0000, 0.5021
CMYK	0.05, 0.00, 0.50, 0.00
HSL	67°, 100%, 75%
HSV	67°, 50%, 100%
XYZ	75.8635, 91.7531, 33.7730
YIQ	236.2220, 32.7440, -42.7760

# Conversions

## Conversions Part 2

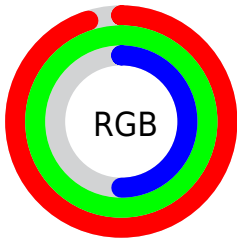
Format	Color
R <sub>Y</sub> B	127, 255, 141
Decimal	15859583
CIE Lab	96.72, -22.05, 58.96
CIE LCh	97, 62.950, 110.509
Yxy	91.7531, 0.3767, 0.4556
Android (android.graphics.Color)	4294049663 (0xFFFF1FF7F)
YUV	236.2220, -53.8464, 4.1903
Hunter-Lab	95.7878, -26.2577, 46.1469

# Details

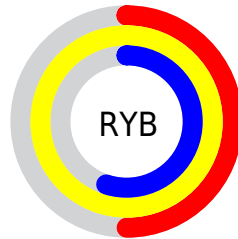
The Yxy color **91.7531, 0.3767, 0.4556** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.0453, 0.2250, 0.1723**, and the grayscale version is **84.4562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **50.9365, 0.3867, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **90.6820, 0.3862, 0.4768**, and if you desaturate by 10%, it is **92.9969, 0.3654, 0.4317**.

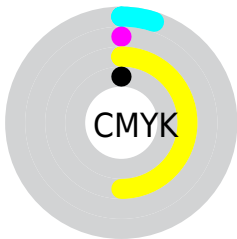
# Distribution



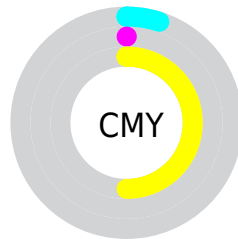
- Red (95%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (55%)



- Cyan (5%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.7531, 0.3767, 0.4556 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 91.7531, 0.3767, 0.4556 by changing the saturation by 10% instead.



 91.7531, 0.3767,  
0.4556

 91.7531, 0.3767,  
0.4556


533.7173, 0.3513,  
0.3991


 69.4356, 0.3813,  
0.4676


 149.7712, 0.3689,  
0.4367

 51.0665, 0.3863,  
0.4818


 186.2405, 0.3655,  
0.4291

 36.2616, 0.3915,  
0.4989


 228.1958, 0.3625,  
0.4225

 24.6363, 0.3966,  
0.5193

276.0216, 0.3598,  
0.4166

 15.8063, 0.4004,  
0.5439

330.1023, 0.3574,  
0.4115

 9.3872, 0.4040,  
0.5773

390.8222, 0.3552,

 4.9946, 0.3933,

0.4069

0.6067

458.5657, 0.3531,  
0.4028

■ 2.2441, 0.3633,  
0.6367

■ 0.7439, 0.1848,  
0.8152

■ 91.7531, 0.3767,  
0.4556

■ 91.7531, 0.3767,  
0.4556

■ 90.6820, 0.3862,  
0.4768

■ 92.9969, 0.3654,  
0.4317

■ 89.7752, 0.3935,  
0.4943

■ 94.4295, 0.3528,  
0.4063

■ 89.0162, 0.3981,  
0.5075

■ 96.0600, 0.3396,  
0.3802

■ 88.3874, 0.4001,  
0.5161

■ 97.8983, 0.3262,  
0.3544

■ 87.8699, 0.3999,  
0.5207

99.9535, 0.3130,  
0.3295

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

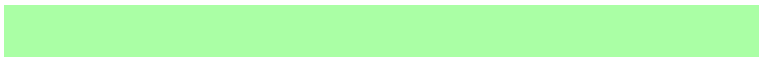
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7531, 0.4299, 0.4245



91.7531, 0.3767, 0.4556



91.7531, 0.3096, 0.4468

# Triad

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



91.7531, 0.3767, 0.4556



91.7531, 0.1902, 0.2590



91.7531, 0.3750, 0.2750

# Complementary

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



91.7531, 0.3767, 0.4556



28.0453, 0.2250, 0.1723

# 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.



91.7531, 0.3030, 0.2395



91.7531, 0.3767, 0.4556



91.7531, 0.2028, 0.2277

# Square

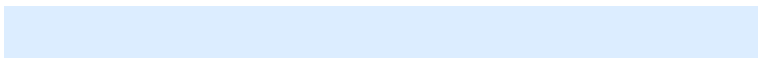
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.7531, 0.3767, 0.4556



91.7531, 0.2048, 0.3177



91.7531, 0.2415, 0.2224



91.7531, 0.4325, 0.3227

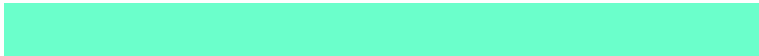


# Rectangle

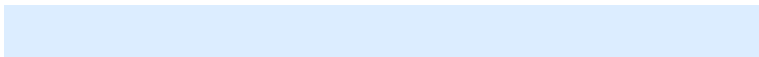
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.7531, 0.3767, 0.4556



91.7531, 0.2662, 0.4140



91.7531, 0.2415, 0.2224



91.7531, 0.3512, 0.2615

# Sweetspot

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



91.7516, 0.3767, 0.4556



96.9921, 0.3326, 0.3667



41.4765, 0.4493, 0.3425



20.6782, 0.3354, 0.3721



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

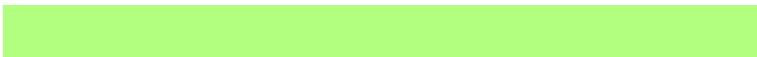
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.7516, 0.3767, 0.4556



90.7032, 0.3860, 0.4763



82.5364, 0.3343, 0.4758



20.9839, 0.3252, 0.3526



45.9545, 0.4002, 0.5204



4.5020, 0.4025, 0.5186



# Inverse Universe

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



28.0453, 0.2250, 0.1723



20.6256, 0.2052, 0.1394



35.1930, 0.2737, 0.1908



17.4728, 0.2996, 0.3045



3.9311, 0.1537, 0.0621

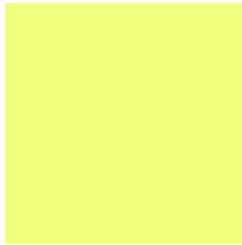


0.4123, 0.1607, 0.0659



# Previews

## White Background



This preview shows how the Yxy color 91.7531, 0.3767, 0.4556 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 91.7531, 0.3767, 0.4556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

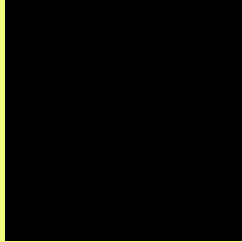
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.7531, 0.3767, 0.4556**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.7531, 0.3767, 0.4556.

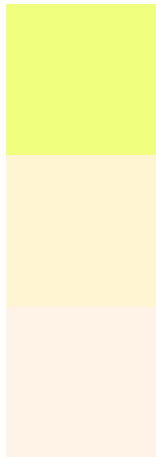


This preview shows how white text looks on a background with the Yxy color 91.7531, 0.3767, 0.4556.

# 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

91.7531, 0.3767, 0.4556

### Protanopia

91.2680, 0.3404, 0.3627

### Deuteranopia

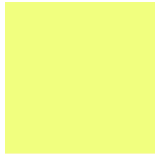
91.1874, 0.3274, 0.3398



## Tritanopia

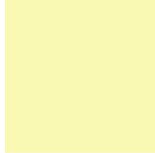
91.4197, 0.3114, 0.3165

# Trichromacy



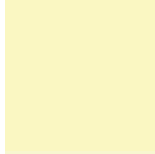
## Original Color

91.7531, 0.3767, 0.4556



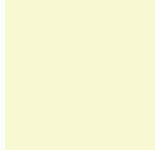
## Protanomaly

91.3706, 0.3554, 0.3983



## Deuteranomaly

90.7406, 0.3472, 0.3823



## Tritanomaly

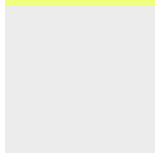
91.0321, 0.3371, 0.3682

# Monochromacy



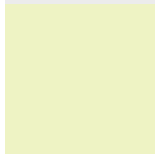
## Original Color

91.7531, 0.3767, 0.4556



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

86.2638, 0.3384, 0.3778

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.7531, 0.3767, 0.4556 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(241, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 127)  
}
```

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(241, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 91.7531, 0.3767, 0.4556 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(241, 255, 127) }
```

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

```
.border{ border-color:rgb(241, 255, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.7531, 0.3767, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 127) }
```

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

```
.background{ background-color: rgb(241,  
255, 127) }
```

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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