

# Converting Colors

$Y_{xy}(92.2350, 0.4135, 0.5017)$

Have a look what the booklet for  
Yxy(92.2350, 0.4135, 0.5017)  
contains.

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# **Color**

**Yxy(92.1692, 0.4132, 0.5018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFF26
RGB	251, 255, 38
RGB Percent	98%, 100%, 15%
CMY	0.0156, 0.0000, 0.8515
CMYK	0.02, 0.00, 0.85, 0.00
HSL	61°, 100%, 57%
HSV	61°, 85%, 100%
XYZ	75.8954, 92.1692, 15.6126
YIQ	229.0660, 67.2730, -68.3350

# Conversions

## Conversions Part 2

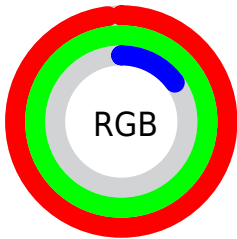
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	38, 255, 42
Decimal	16514854
CIE Lab	96.89, -22.72, 89.96
CIE LCh	97, 92.781, 104.176
Yxy	92.1692, 0.4132, 0.5018
Android (android.graphics.Color)	4294704934 (0xFFFBFF26)
YUV	229.0660, -94.1955, 19.2361
Hunter-Lab	96.0048, -26.8974, 57.5615

# Details

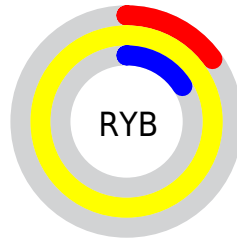
The Yxy color **92.1692, 0.4132, 0.5018** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.0878, 0.1586, 0.0732**, and the grayscale version is **79.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **51.7940, 0.4114, 0.5115** is the 20% darker color. If you saturate the color by 10%, you get **91.9722, 0.4156, 0.5066**, and if you desaturate by 10%, it is **92.4818, 0.4083, 0.4928**.

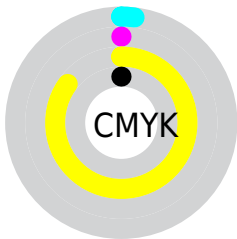
# Distribution



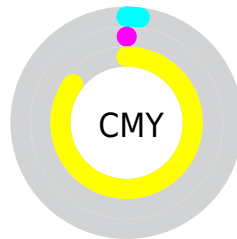
- Red (98%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (16%)



- Cyan (2%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.1692, 0.4132, 0.5018 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 92.1692, 0.4132, 0.5018 by changing the saturation by 10% instead.




 92.1692, 0.4132,  
0.5018

 92.1692, 0.4132,  
0.5018


535.0622, 0.3778,  
0.4302


 69.7812, 0.4180,  
0.5149

 150.3479, 0.4036,  
0.4794

 51.3482, 0.4222,  
0.5293


 186.9073, 0.3991,  
0.4700


 36.4858, 0.4251,  
0.5447


 228.9593, 0.3948,  
0.4615

 24.8096, 0.4259,  
0.5613

 276.8884, 0.3909,  
0.4539

 15.9353, 0.4223,  
0.5777

 331.0788, 0.3872,  
0.4471

 9.4783, 0.4096,  
0.5904


391.9149, 0.3838,

 5.0545, 0.3907,


0.4409


0.6093


459.7813, 0.3807,  
0.4353


 2.2793, 0.3601,  
0.6399


 0.7627, 0.1825,  
0.8175


 92.1692, 0.4132,  
0.5018


 92.1692, 0.4132,  
0.5018


 91.9722, 0.4156,  
0.5066


 92.4818, 0.4083,  
0.4928


 91.9026, 0.4161,  
0.5078


 92.9252, 0.4007,  
0.4793

 93.5170, 0.3906,  
0.4617

 94.2711, 0.3784,  
0.4407

 95.1996, 0.3647,  
0.4172

 96.3136, 0.3501,  
0.3922

 97.6232, 0.3351,  
0.3668

 99.1378, 0.3202,  
0.3416

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.



92.1692, 0.4855, 0.4387



92.1692, 0.4132, 0.5018



92.1692, 0.3211, 0.5181

# Triad

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



92.1692, 0.4132, 0.5018



92.1692, 0.1461, 0.2389



92.1692, 0.3799, 0.2412

# Complementary

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



92.1692, 0.4132, 0.5018



9.0878, 0.1586, 0.0732

# 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.



92.1692, 0.2757, 0.1995



92.1692, 0.4132, 0.5018



92.1692, 0.1561, 0.1927

# Square

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



92.1692, 0.4132, 0.5018



92.1692, 0.1698, 0.3299



92.1692, 0.1984, 0.1820



92.1692, 0.4746, 0.3002



# Rectangle

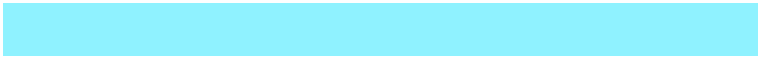
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.1692, 0.4132, 0.5018



92.1692, 0.2595, 0.4803



92.1692, 0.1984, 0.1820



92.1692, 0.3438, 0.2249

# Sweetspot

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



92.1707, 0.4132, 0.5018



96.2109, 0.3513, 0.3944



23.0196, 0.6105, 0.3315



20.5071, 0.3565, 0.4031



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.



92.1707, 0.4132, 0.5018



91.9026, 0.4161, 0.5078



77.4828, 0.3406, 0.5568



21.0727, 0.3266, 0.3525



48.0288, 0.4161, 0.5078



4.6816, 0.4165, 0.5075



# Inverse Universe

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



9.0878, 0.1586, 0.0732



7.2502, 0.1504, 0.0602



15.0879, 0.2202, 0.1060



17.3937, 0.2981, 0.3044



3.7953, 0.1506, 0.0603

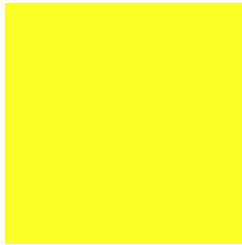


0.3749, 0.1518, 0.0610



# Previews

## White Background



This preview shows how the Yxy color 92.1692, 0.4132, 0.5018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

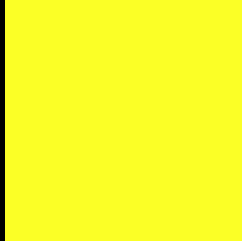
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.1692, 0.4132, 0.5018 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 92.1692, 0.4132, 0.5018**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.1692, 0.4132, 0.5018.

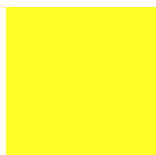


This preview shows how white text looks on a background with the Yxy color 92.1692, 0.4132, 0.5018.

# 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

92.1692, 0.4132, 0.5018



### Protanopia

91.9250, 0.3396, 0.3626



### Deuteranopia

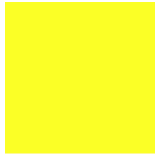
91.7309, 0.3279, 0.3418



## Tritanopia

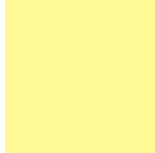
91.6664, 0.3163, 0.3213

# Trichromacy



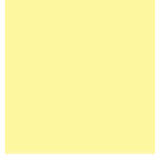
## Original Color

92.1692, 0.4132, 0.5018



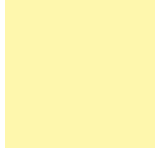
## Protanomaly

90.9921, 0.3765, 0.4273



## Deuteranomaly

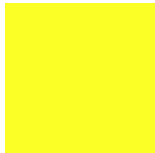
90.7788, 0.3699, 0.4152



## Tritanomaly

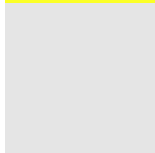
90.6095, 0.3630, 0.4027

# Monochromacy



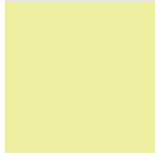
## Original Color

92.1692, 0.4132, 0.5018



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

81.6917, 0.3614, 0.4110

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.1692, 0.4132, 0.5018 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(251, 255, 38)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 38)  
}
```

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(251, 255, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 38) }
```

## Border

The CSS property to change the border of an element to Yxy 92.1692, 0.4132, 0.5018 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(251, 255, 38) }
```

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

```
.border{ border-color:rgb(251, 255, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 38);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
38) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.1692, 0.4132, 0.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 38) }
```

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

```
.background{ background-color: rgb(251,  
255, 38) }
```

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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