

# Converting Colors

$Y_{xy}(92.7945, 0.4190, 0.5047)$

Have a look what the booklet for  
Yxy(92.7945, 0.4190, 0.5047)  
contains.

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# **Color**

**Yxy(92.7931, 0.4190, 0.5047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF06
RGB	255, 255, 6
RGB Percent	100%, 100%, 2%
CMY	0.0000, 0.0000, 0.9756
CMYK	0.00, 0.00, 0.98, 0.00
HSL	60°, 100%, 51%
HSV	60°, 98%, 100%
XYZ	77.0365, 92.7931, 14.0284
YIQ	226.6140, 79.9290, -77.4390

# Conversions

## Conversions Part 2

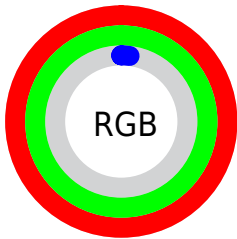
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">6, 255, 6</a>
Decimal	<a href="#">16776966</a>
CIELab	<a href="#">97.14, -21.51, 94.06</a>
CIELCh	<a href="#">97, 96.489, 102.878</a>
Yxy	<a href="#">92.7931, 0.4190, 0.5047</a>
Android (android.graphics.Color)	<a href="#">4294967046</a> ( <a href="#">0xFFFFFFFF06</a> )
YUV	<a href="#">226.6140, -108.7627, 24.8945</a>
Hunter-Lab	<a href="#">96.3292, -25.8258, 58.7961</a>

# Details

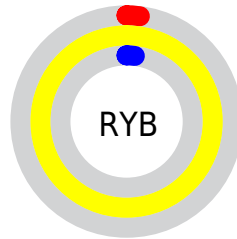
The Yxy color **92.7931, 0.4190, 0.5047** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.3955, 0.1508, 0.0613**, and the grayscale version is **77.3020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6431, 0.3998, 0.4729**, and **52.1843, 0.4141, 0.5094** is the 20% darker color. If you saturate the color by 10%, you get **92.7800, 0.4193, 0.5053**, and if you desaturate by 10%, it is **92.8828, 0.4168, 0.5011**.

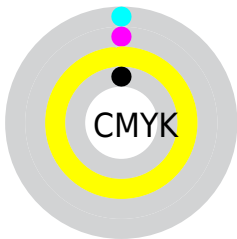
# Distribution



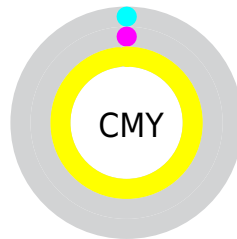
- Red (100%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (2%)



- Cyan (0%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.7931, 0.4190, 0.5047 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 92.7931, 0.4190, 0.5047 by changing the saturation by 10% instead.




 92.7931, 0.4190,  
0.5047

 92.7931, 0.4190,  
0.5047


537.0754, 0.3822,  
0.4332


 70.2995, 0.4238,  
0.5174


 151.2121, 0.4092,  
0.4827


 51.7708, 0.4279,  
0.5310


 187.9064, 0.4045,  
0.4734


 36.8224, 0.4305,  
0.5453


 230.1030, 0.4001,  
0.4649

 25.0700, 0.4317,  
0.5614

 278.1864, 0.3959,  
0.4573

 16.1292, 0.4261,  
0.5739

 332.5410, 0.3921,  
0.4504

 9.6156, 0.4142,  
0.5858


 393.5510, 0.3885,


 5.1449, 0.3966,


0.4441


0.6034


461.6011, 0.3852,  
0.4384


 2.3325, 0.3681,  
0.6319

 0.7908, 0.2228,  
0.7772

 92.7931, 0.4190,  
0.5047


 92.7931, 0.4190,  
0.5047

 92.7800, 0.4193,  
0.5053

 92.8828, 0.4168,  
0.5011


 93.0777, 0.4122,  
0.4935

 93.4004, 0.4050,  
0.4815


 93.8676, 0.3951,  
0.4653

 94.4937, 0.3831,  
0.4453

 95.2912, 0.3693,  
0.4226

 96.2714, 0.3545,  
0.3981

 97.4446, 0.3392,  
0.3728

 98.8205, 0.3240,  
0.3476

# Harmonies

## Analogous

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



92.7931, 0.4927, 0.4374



92.7931, 0.4190, 0.5047



92.7931, 0.3245, 0.5268

# Triad

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



92.7931, 0.4190, 0.5047



92.7931, 0.1417, 0.2384



92.7931, 0.3773, 0.2361

# Complementary

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



92.7931, 0.4190, 0.5047



7.3955, 0.1508, 0.0613

# 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.



92.7931, 0.2700, 0.1945



92.7931, 0.4190, 0.5047



92.7931, 0.1506, 0.1897

# Square

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



92.7931, 0.4190, 0.5047



92.7931, 0.1672, 0.3345



92.7931, 0.1922, 0.1777



92.7931, 0.4773, 0.2958



# Rectangle

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



92.7931, 0.4190, 0.5047



92.7931, 0.2609, 0.4908



92.7931, 0.1922, 0.1777



92.7931, 0.3398, 0.2198

# Sweetspot

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



92.7937, 0.4190, 0.5047



96.1182, 0.3567, 0.4017



21.4089, 0.6372, 0.3300



20.4813, 0.3631, 0.4123



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.



92.7937, 0.4190, 0.5047



92.7800, 0.4193, 0.5053



76.3283, 0.3366, 0.5698



21.0908, 0.3269, 0.3525



48.4795, 0.4193, 0.5053



4.7203, 0.4193, 0.5053



# Inverse Universe

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



7.3955, 0.1508, 0.0613



7.2200, 0.1500, 0.0600



12.1499, 0.2030, 0.0899



17.3778, 0.2978, 0.3044



3.7726, 0.1500, 0.0600

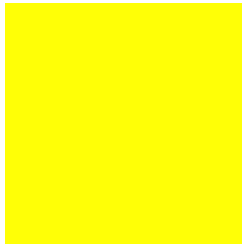


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 92.7931, 0.4190, 0.5047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

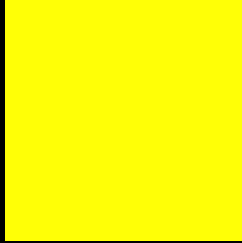
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.7931, 0.4190, 0.5047 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 92.7931, 0.4190, 0.5047**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.7931, 0.4190, 0.5047.

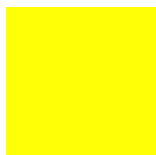


This preview shows how white text looks on a background with the Yxy color 92.7931, 0.4190, 0.5047.

# 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



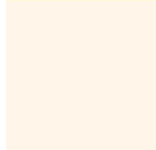
### Original Color

92.7931, 0.4190, 0.5047



### Protanopia

92.7394, 0.3369, 0.3596



### Deuteranopia

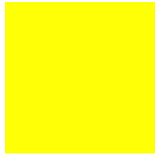
92.4480, 0.3266, 0.3407



## Tritanopia

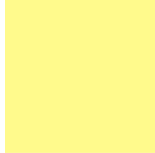
92.8009, 0.3168, 0.3242

# Trichromacy



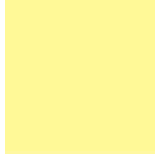
## Original Color

92.7931, 0.4190, 0.5047



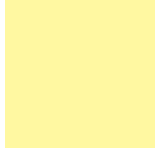
## Protanomaly

91.5247, 0.3818, 0.4360



## Deuteranomaly

91.2457, 0.3761, 0.4252



## Tritanomaly

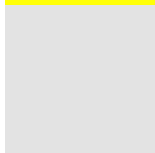
90.9680, 0.3706, 0.4150

# Monochromacy



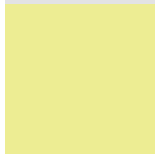
## Original Color

92.7931, 0.4190, 0.5047



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

80.6795, 0.3697, 0.4233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.7931, 0.4190, 0.5047 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, 255, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 6)  
}
```

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, 255, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 6) }
```

## Border

The CSS property to change the border of an element to Yxy 92.7931, 0.4190, 0.5047 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, 255, 6) }
```

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

```
.border{ border-color:rgb(255, 255, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
6) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.7931, 0.4190, 0.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 6) }
```

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

```
.background{ background-color: rgb(255,  
255, 6) }
```

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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