

# Converting Colors

Yxy(92.8234, 0.4183, 0.5035)

Have a look what the booklet for  
Yxy(92.8234, 0.4183, 0.5035)  
contains.

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# **Color**

**Yxy(92.8237, 0.4183, 0.5035)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF12
RGB	255, 255, 18
RGB Percent	100%, 100%, 7%
CMY	0.0000, 0.0000, 0.9300
CMYK	0.00, 0.00, 0.93, 0.00
HSL	60°, 100%, 53%
HSV	60°, 93%, 100%
XYZ	77.1165, 92.8237, 14.4167
YIQ	227.9820, 76.0770, -73.7070

# Conversions

## Conversions Part 2

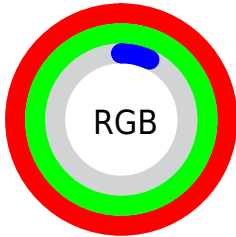
Format	Color
RYB	18, 255, 18
Decimal	16776978
CIELab	97.16, -21.40, 93.16
CIELCh	97, 95.585, 102.936
Yxy	92.8237, 0.4183, 0.5035
Android (android.graphics.Color)	4294967058 (0xFFFFFFFF12)
YUV	227.9820, -103.5211, 23.6948
Hunter-Lab	96.3451, -25.7289, 58.5696

# Details

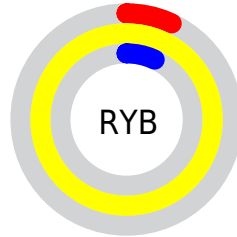
The Yxy color **92.8237, 0.4183, 0.5035** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **7.7747, 0.1525, 0.0640**, and the grayscale version is **78.2857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7001, 0.3986, 0.4709**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.7791, 0.4193, 0.5053**, and if you desaturate by 10%, it is **92.9562, 0.4151, 0.4982**.

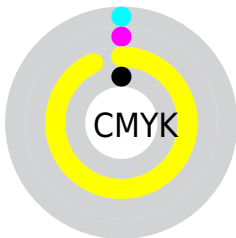
# Distribution



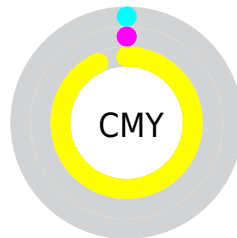
- Red (100%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (7%)



- Cyan (0%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.8237, 0.4183, 0.5035 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 92.8237, 0.4183, 0.5035 by changing the saturation by 10% instead.




 92.8237, 0.4183,  
0.5035


 92.8237, 0.4183,  
0.5035


537.1741, 0.3815,  
0.4323


 70.3250, 0.4231,  
0.5162


 151.2545, 0.4084,  
0.4816


 51.7915, 0.4274,  
0.5299


 187.9554, 0.4037,  
0.4722


 36.8389, 0.4302,  
0.5444

 230.1591, 0.3993,  
0.4638

 25.0828, 0.4313,  
0.5603

 278.2500, 0.3952,  
0.4562

 16.1388, 0.4264,  
0.5736

 332.6126, 0.3914,  
0.4493

 9.6224, 0.4146,  
0.5854


393.6312, 0.3878,


 5.1493, 0.3971,


0.4431


0.6029


461.6902, 0.3846,  
0.4375


 2.3351, 0.3688,  
0.6312


 0.7922, 0.2255,  
0.7745


 92.8237, 0.4183,  
0.5035


 92.8237, 0.4183,  
0.5035


 92.7791, 0.4193,  
0.5053


 92.9562, 0.4151,  
0.4982


 93.2071, 0.4093,  
0.4886


 93.5938, 0.4008,  
0.4746


 94.1318, 0.3899,  
0.4566

 94.8346, 0.3770,  
0.4353

 95.7140, 0.3627,  
0.4116

 96.7810, 0.3476,  
0.3866

 98.0454, 0.3322,  
0.3613

 99.5166, 0.3171,  
0.3363

# Harmonies

## Analogous

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



92.8237, 0.4914, 0.4371



92.8237, 0.4183, 0.5035



92.8237, 0.3245, 0.5248

# Triad

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



92.8237, 0.4183, 0.5035



92.8237, 0.1429, 0.2392



92.8237, 0.3770, 0.2370

# Complementary

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



92.8237, 0.4183, 0.5035



7.7747, 0.1525, 0.0640

# 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.



92.8237, 0.2706, 0.1955



92.8237, 0.4183, 0.5035



92.8237, 0.1518, 0.1907

# Square

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



92.8237, 0.4183, 0.5035



92.8237, 0.1683, 0.3343



92.8237, 0.1933, 0.1788



92.8237, 0.4759, 0.2964



# Rectangle

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



92.8237, 0.4183, 0.5035



92.8237, 0.2614, 0.4889



92.8237, 0.1933, 0.1788



92.8237, 0.3399, 0.2207

# Sweetspot

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



92.8223, 0.4183, 0.5035



96.2237, 0.3552, 0.3992



21.7447, 0.6293, 0.3290



20.5011, 0.3617, 0.4099



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.



92.8223, 0.4183, 0.5035



92.7791, 0.4193, 0.5053



77.1712, 0.3414, 0.5636



21.0908, 0.3269, 0.3525



48.4791, 0.4193, 0.5053



4.7202, 0.4193, 0.5053



# Inverse Universe

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



7.7747, 0.1525, 0.0640



7.2200, 0.1500, 0.0600



12.5910, 0.2048, 0.0926



17.3778, 0.2978, 0.3044



3.7726, 0.1500, 0.0600

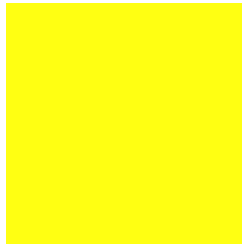


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 92.8237, 0.4183, 0.5035 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

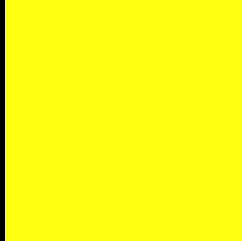
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.8237, 0.4183, 0.5035 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 92.8237, 0.4183, 0.5035**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.8237, 0.4183, 0.5035.

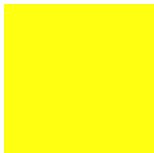


This preview shows how white text looks on a background with the Yxy color 92.8237, 0.4183, 0.5035.

# Color Blindness Simulation

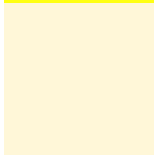
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



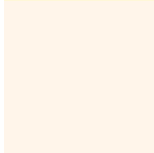
### Original Color

92.8237, 0.4183, 0.5035



### Protanopia

92.7394, 0.3369, 0.3596



### Deuteranopia

92.5053, 0.3259, 0.3398



## Tritanopia

92.8635, 0.3162, 0.3232

# Trichromacy



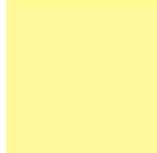
## Original Color

92.8237, 0.4183, 0.5035



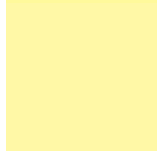
## Protanomaly

91.6448, 0.3796, 0.4324



## Deuteranomaly

91.3779, 0.3738, 0.4215



## Tritanomaly

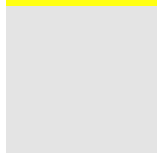
91.1480, 0.3676, 0.4102

# Monochromacy



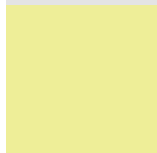
## Original Color

92.8237, 0.4183, 0.5035



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

81.5932, 0.3671, 0.4189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.8237, 0.4183, 0.5035 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 18) }
```

## Border

The CSS property to change the border of an element to Yxy 92.8237, 0.4183, 0.5035 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, 18) }
```

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

```
.border{ border-color:rgb(255, 255, 18) }
```

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, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
18) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.8237, 0.4183, 0.5035 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, 18) }
```

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

```
.background{ background-color: rgb(255,  
255, 18) }
```

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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