

# Converting Colors

$Yxy(92.9932, 0.4142, 0.4968)$

Have a look what the booklet for  
Yxy(92.9932, 0.4142, 0.4968)  
contains.

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# **Color**

**Yxy(92.9934, 0.4142, 0.4968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF30
RGB	255, 255, 48
RGB Percent	100%, 100%, 19%
CMY	0.0000, 0.0000, 0.8117
CMYK	0.00, 0.00, 0.81, 0.00
HSL	60°, 100%, 59%
HSV	60°, 81%, 100%
XYZ	77.5319, 92.9934, 16.6594
YIQ	231.4020, 66.4470, -64.3770

# Conversions

## Conversions Part 2

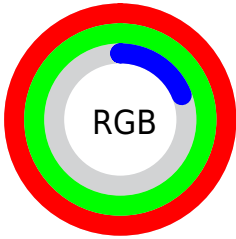
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	48, 255, 48
Decimal	16777008
CIE Lab	97.22, -20.86, 88.25
CIE LCh	97, 90.677, 103.299
Yxy	92.9934, 0.4142, 0.4968
Android (android.graphics.Color)	4294967088 (0xFFFFFFFF30)
YUV	231.4020, -90.4172, 20.6954
Hunter-Lab	96.4331, -25.2444, 57.2604

# Details

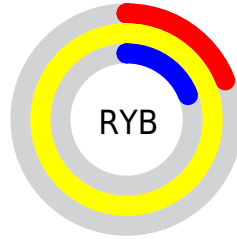
The Yxy color **92.9934, 0.4142, 0.4968** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.9636, 0.1616, 0.0792**, and the grayscale version is **80.8758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0178, 0.3921, 0.4603**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.8385, 0.4179, 0.5029**, and if you desaturate by 10%, it is **93.2668, 0.4079, 0.4864**.

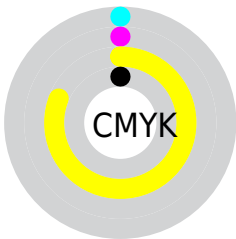
# Distribution



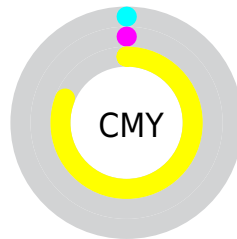
- Red (100%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (19%)



- Cyan (0%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.9934, 0.4142, 0.4968 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 92.9934, 0.4142, 0.4968 by changing the saturation by 10% instead.





 92.9934, 0.4142,  
0.4968

 92.9934, 0.4142,  
0.4968


537.7209, 0.3778,  
0.4273


 70.4660, 0.4193,  
0.5096


 151.4895, 0.4041,  
0.4751

 51.9065, 0.4241,  
0.5236


 188.2270, 0.3994,  
0.4659


 36.9306, 0.4278,  
0.5387


 230.4699, 0.3951,  
0.4577

 25.1538, 0.4294,  
0.5546

 278.6028, 0.3911,  
0.4503

 16.1916, 0.4281,  
0.5719

 333.0099, 0.3874,  
0.4437

 9.6599, 0.4166,  
0.5834


394.0757, 0.3839,


 5.1740, 0.3996,


0.4377

0.6004


462.1846, 0.3808,  
0.4323


 2.3497, 0.3721,  
0.6279


 0.7998, 0.2389,  
0.7611


 92.9934, 0.4142,  
0.4968


 92.9934, 0.4142,  
0.4968


 92.8385, 0.4179,  
0.5029


 93.2668, 0.4079,  
0.4864

 92.7785, 0.4193,  
0.5053


 93.6801, 0.3990,  
0.4716


 94.2474, 0.3877,  
0.4529


 94.9817, 0.3745,  
0.4311

 95.8948, 0.3600,  
0.4071

 96.9972, 0.3448,  
0.3820

 98.2989, 0.3294,  
0.3567

 99.8089, 0.3144,  
0.3318

 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.



92.9934, 0.4836, 0.4353



92.9934, 0.4142, 0.4968



92.9934, 0.3243, 0.5135

# Triad

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



92.9934, 0.4142, 0.4968



92.9934, 0.1495, 0.2433



92.9934, 0.3753, 0.2416

# Complementary

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



92.9934, 0.4142, 0.4968



9.9636, 0.1616, 0.0792

# 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.



92.9934, 0.2740, 0.2012



92.9934, 0.4142, 0.4968



92.9934, 0.1584, 0.1964

# Square

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



92.9934, 0.4142, 0.4968



92.9934, 0.1742, 0.3334



92.9934, 0.1992, 0.1848



92.9934, 0.4684, 0.2993



# Rectangle

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



92.9934, 0.4142, 0.4968



92.9934, 0.2637, 0.4783



92.9934, 0.1992, 0.1848



92.9934, 0.3401, 0.2258

# Sweetspot

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



92.9922, 0.4142, 0.4968



96.6657, 0.3491, 0.3892



23.5883, 0.5989, 0.3298



20.6058, 0.3545, 0.3981



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.



92.9922, 0.4142, 0.4968



92.7953, 0.4189, 0.5046



78.3613, 0.3441, 0.5486



21.0908, 0.3269, 0.3525



48.4788, 0.4193, 0.5053



4.7202, 0.4193, 0.5053



# Inverse Universe

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



9.9636, 0.1616, 0.0792



7.4355, 0.1510, 0.0616



15.9625, 0.2221, 0.1109



17.3778, 0.2978, 0.3044



3.7726, 0.1500, 0.0600

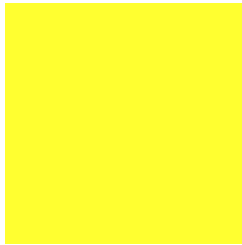


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 92.9934, 0.4142, 0.4968 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

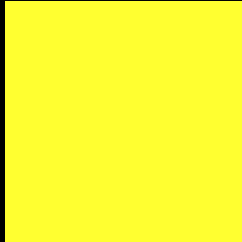
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.9934, 0.4142, 0.4968 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 92.9934, 0.4142, 0.4968**

## Background



This preview shows how black text looks on a background with the Yxy color 92.9934, 0.4142, 0.4968.



This preview shows how white text looks on a background with the Yxy color 92.9934, 0.4142, 0.4968.

# 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



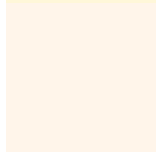
### Original Color

92.9934, 0.4142, 0.4968



### Protanopia

92.7913, 0.3363, 0.3586



### Deuteranopia

92.5053, 0.3259, 0.3398



## Tritanopia

92.8635, 0.3162, 0.3232

# Trichromacy



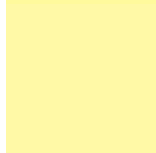
## Original Color

92.9934, 0.4142, 0.4968



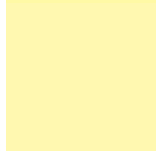
## Protanomaly

92.0315, 0.3729, 0.4214



## Deuteranomaly

91.7645, 0.3673, 0.4111



## Tritanomaly

91.5691, 0.3610, 0.3995

# Monochromacy



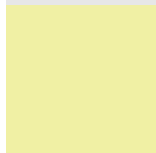
## Original Color

92.9934, 0.4142, 0.4968



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

83.5258, 0.3606, 0.4081

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.9934, 0.4142, 0.4968 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 48) }
```

## Border

The CSS property to change the border of an element to Yxy 92.9934, 0.4142, 0.4968 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, 48) }
```

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

```
.border{ border-color:rgb(255, 255, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
48) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.9934, 0.4142, 0.4968 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, 48) }
```

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

```
.background{ background-color: rgb(255,  
255, 48) }
```

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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