

# Converting Colors

$Y_{xy}(90.7591, 0.4138, 0.4956)$

Have a look what the booklet for  
Yxy(90.7591, 0.4138, 0.4956)  
contains.

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# **Color**

**Yxy(90.5465, 0.4137, 0.4959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFC32
RGB	252, 252, 50
RGB Percent	99%, 99%, 20%
CMY	0.0117, 0.0118, 0.8041
CMYK	0.00, 0.00, 0.80, 0.01
HSL	60°, 97%, 59%
HSV	60°, 80%, 99%
XYZ	75.5376, 90.5465, 16.5062
YIQ	228.9720, 64.8420, -62.8220

# Conversions

## Conversions Part 2

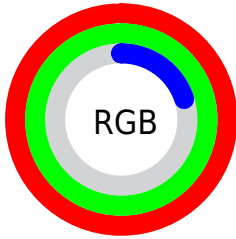
Format	Color
<a href="#">RYB</a>	<a href="#">50, 252, 50</a>
Decimal	<a href="#">16579634</a>
CIELab	<a href="#">96.22, -20.58, 86.85</a>
CIElCh	<a href="#">96, 89.252, 103.332</a>
Yxy	<a href="#">90.5465, 0.4137, 0.4959</a>
Android (android.graphics.Color)	<a href="#">4294769714</a> ( <a href="#">0xFFFCFC32</a> )
YUV	<a href="#">228.9720, -88.2332, 20.1956</a>
Hunter-Lab	<a href="#">95.1559, -24.8243, 56.3244</a>

# Details

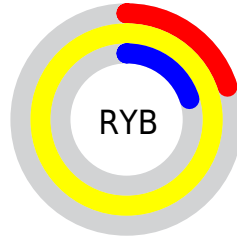
The Yxy color **90.5465, 0.4137, 0.4959** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.9857, 0.1628, 0.0812**, and the grayscale version is **78.9600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0178, 0.3921, 0.4603**, and **50.5562, 0.4149, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **90.3877, 0.4176, 0.5024**, and if you desaturate by 10%, it is **90.8332, 0.4071, 0.4850**.

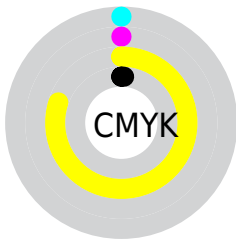
# Distribution



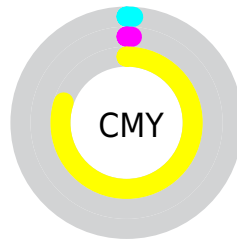
- Red (99%)
- Green (99%)
- Blue (20%)



- Red (20%)
- Yellow (99%)
- Blue (20%)



- Cyan (0%)
- Magenta (0%)
- Yellow (80%)
- Black (1%)




- Cyan (1%)
- Magenta (1%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.5465, 0.4137, 0.4959 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 90.5465, 0.4137, 0.4959 by changing the saturation by 10% instead.



 90.5465, 0.4137,  
0.4959


 90.5465, 0.4137,  
0.4959


529.8070, 0.3772,  
0.4263


 68.4340, 0.4189,  
0.5088


 148.0973, 0.4035,  
0.4741

 50.2509, 0.4238,  
0.5230


 184.3043, 0.3988,  
0.4649


 35.6128, 0.4276,  
0.5383


 225.9784, 0.3944,  
0.4566

 24.1353, 0.4293,  
0.5545

 273.5038, 0.3904,  
0.4493

 15.4340, 0.4279,  
0.5721

 327.2649, 0.3867,  
0.4426

 9.1246, 0.4162,  
0.5838


387.6463, 0.3832,


 4.8225, 0.3987,

0.4366


0.6013

455.0322, 0.3801,  
0.4312


 2.1435, 0.3701,  
0.6299


 0.6889, 0.1811,  
0.8189


 90.5465, 0.4137,  
0.4959


 90.5465, 0.4137,  
0.4959

 90.3877, 0.4176,  
0.5024

 90.8332, 0.4071,  
0.4850


 90.3165, 0.4193,  
0.5052


 91.2523, 0.3979,  
0.4698


 91.8225, 0.3864,  
0.4508


 92.5564, 0.3730,  
0.4287

 93.4651, 0.3585,  
0.4046

 94.5591, 0.3432,  
0.3795

 95.8477, 0.3279,  
0.3542

 97.3398, 0.3130,  
0.3294

 97.5612, 0.3110,  
0.3262

# Harmonies

## Analogous

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



90.5465, 0.4826, 0.4350



90.5465, 0.4137, 0.4959



90.5465, 0.3243, 0.5121

# Triad

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



90.5465, 0.4137, 0.4959



90.5465, 0.1504, 0.2438



90.5465, 0.3751, 0.2422

# Complementary

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



90.5465, 0.4137, 0.4959



9.9857, 0.1628, 0.0812

# 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.



90.5465, 0.2744, 0.2019



90.5465, 0.4137, 0.4959



90.5465, 0.1592, 0.1972

# Square

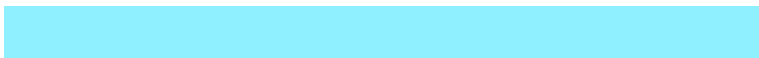
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.5465, 0.4137, 0.4959



90.5465, 0.1750, 0.3334



90.5465, 0.1999, 0.1856



90.5465, 0.4675, 0.2997



# Rectangle

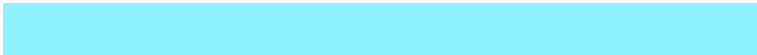
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5465, 0.4137, 0.4959



90.5465, 0.2641, 0.4770



90.5465, 0.1999, 0.1856



90.5465, 0.3401, 0.2264

# Sweetspot

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



90.5507, 0.4137, 0.4959



96.6605, 0.3491, 0.3892



23.2370, 0.5919, 0.3279



20.6045, 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.



90.5507, 0.4137, 0.4959



92.7801, 0.4188, 0.5043



76.7730, 0.3465, 0.5452



20.1904, 0.3269, 0.3524



47.0352, 0.4193, 0.5052



4.3564, 0.4193, 0.5052



# Inverse Universe

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



9.9857, 0.1628, 0.0812



7.5080, 0.1513, 0.0621



15.5668, 0.2205, 0.1113



16.6435, 0.2979, 0.3045



3.6617, 0.1500, 0.0600

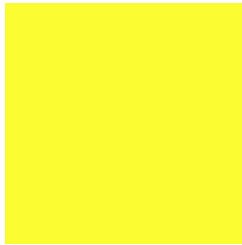


0.3393, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 90.5465, 0.4137, 0.4959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

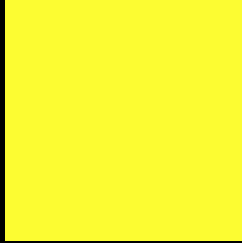
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.5465, 0.4137, 0.4959 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 90.5465, 0.4137, 0.4959**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.5465, 0.4137, 0.4959.



This preview shows how white text looks on a background with the Yxy color 90.5465, 0.4137, 0.4959.

# Color Blindness Simulation

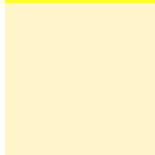
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



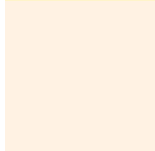
### Original Color

90.5465, 0.4137, 0.4959



### Protanopia

90.2256, 0.3462, 0.3708



### Deuteranopia

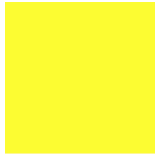
90.3103, 0.3306, 0.3438



## Tritanopia

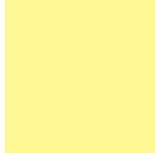
90.3575, 0.3177, 0.3213

# Trichromacy



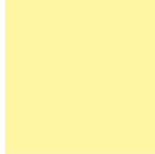
## Original Color

90.5465, 0.4137, 0.4959



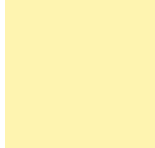
## Protanomaly

89.6989, 0.3784, 0.4275



## Deuteranomaly

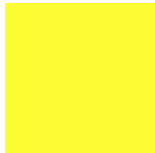
89.6267, 0.3694, 0.4116



## Tritanomaly

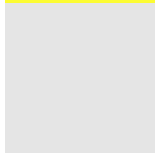
88.9068, 0.3620, 0.3970

# Monochromacy



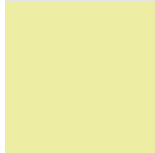
## Original Color

90.5465, 0.4137, 0.4959



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

81.2532, 0.3592, 0.4059

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.5465, 0.4137, 0.4959 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(252, 252, 50)` looks like.

```
.text, #text, p{  
    color:rgb(252, 252, 50)  
}
```

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(252, 252, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 252, 50) }
```

## Border

The CSS property to change the border of an element to Yxy 90.5465, 0.4137, 0.4959 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(252, 252, 50) }
```

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

```
.border{ border-color:rgb(252, 252, 50) }
```

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

Here you see how a box with a 4 pixel rgb(252, 252, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 252, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 252, 50);  
box-shadow:4px 4px 4px 4px rgb(252, 252,  
50) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.5465, 0.4137, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 252, 50) }
```

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

```
.background{ background-color: rgb(252,  
252, 50) }
```

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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