

# Converting Colors

$Yxy(93.1285, 0.4111, 0.4916)$

Have a look what the booklet for  
Yxy(93.1285, 0.4111, 0.4916)  
contains.

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# Color

**Yxy(93.1278, 0.4111, 0.4916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF3E
RGB	255, 255, 62
RGB Percent	100%, 100%, 24%
CMY	0.0000, 0.0000, 0.7567
CMYK	0.00, 0.00, 0.76, 0.00
HSL	60°, 100%, 62%
HSV	60°, 76%, 100%
XYZ	77.8780, 93.1278, 18.4323
YIQ	232.9980, 61.9530, -60.0230

# Conversions

## Conversions Part 2

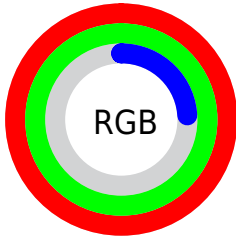
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 255, 62
Decimal	16777022
CIELab	97.28, -20.40, 84.67
CIELCh	97, 87.094, 103.546
Yxy	93.1278, 0.4111, 0.4916
Android (android.graphics.Color)	4294967102 (0xFFFFFFFF3E)
YUV	232.9980, -84.3020, 19.2958
Hunter-Lab	96.5027, -24.8297, 56.2273

# Details

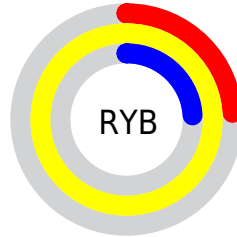
The Yxy color **93.1278, 0.4111, 0.4916** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.6947, 0.1685, 0.0905**, and the grayscale version is **82.0977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2352, 0.3879, 0.4533**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.9091, 0.4162, 0.5000**, and if you desaturate by 10%, it is **93.4757, 0.4033, 0.4788**.

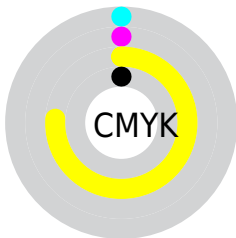
# Distribution



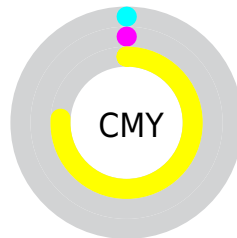
- Red (100%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.1278, 0.4111, 0.4916 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 93.1278, 0.4111, 0.4916 by changing the saturation by 10% instead.



 93.1278, 0.4111,  
0.4916

 93.1278, 0.4111,  
0.4916


538.1538, 0.3752,  
0.4236


 70.5777, 0.4164,  
0.5043


 151.6755, 0.4009,  
0.4701

 51.9977, 0.4216,  
0.5185


 188.4420, 0.3963,  
0.4611

 37.0032, 0.4258,  
0.5340


 230.7160, 0.3920,  
0.4531

 25.2100, 0.4281,  
0.5504

 278.8820, 0.3881,  
0.4459

 16.2336, 0.4295,  
0.5705

 333.3244, 0.3844,  
0.4395

 9.6896, 0.4183,  
0.5817


394.4276, 0.3811,


 5.1936, 0.4017,


0.4337

0.5983


462.5759, 0.3780,  
0.4284

 2.3613, 0.3750,  
0.6250


 0.8059, 0.2495,  
0.7505


 93.1278, 0.4111,  
0.4916

 93.1278, 0.4111,  
0.4916


 92.9091, 0.4162,  
0.5000


 93.4757, 0.4033,  
0.4788

 92.8025, 0.4187,  
0.5043


 93.9720, 0.3930,  
0.4618


 92.7782, 0.4193,  
0.5053

 94.6297, 0.3806,  
0.4412

 95.4610, 0.3666,  
0.4181

 96.4770, 0.3517,  
0.3934

 97.6879, 0.3363,  
0.3680

 99.1031, 0.3211,  
0.3429

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.



93.1278, 0.4778, 0.4336



93.1278, 0.4111, 0.4916



93.1278, 0.3241, 0.5053

# Triad

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



93.1278, 0.4111, 0.4916



93.1278, 0.1546, 0.2463



93.1278, 0.3739, 0.2450

# Complementary

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



93.1278, 0.4111, 0.4916



11.6947, 0.1685, 0.0905

# 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.



93.1278, 0.2764, 0.2054



93.1278, 0.4111, 0.4916



93.1278, 0.1633, 0.2007

# Square

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



93.1278, 0.4111, 0.4916



93.1278, 0.1787, 0.3329



93.1278, 0.2034, 0.1893



93.1278, 0.4629, 0.3014



# Rectangle

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



93.1278, 0.4111, 0.4916



93.1278, 0.2655, 0.4708



93.1278, 0.2034, 0.1893



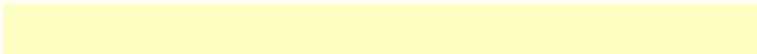
93.1278, 0.3402, 0.2295

# Sweetspot

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



93.1268, 0.4111, 0.4916



96.7811, 0.3476, 0.3866



25.0938, 0.5735, 0.3276



20.6278, 0.3531, 0.3958



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.



93.1268, 0.4111, 0.4916



92.8400, 0.4178, 0.5028



79.5218, 0.3474, 0.5366



21.0908, 0.3269, 0.3525



48.4786, 0.4193, 0.5053



4.7202, 0.4193, 0.5053



# Inverse Universe

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



11.6947, 0.1685, 0.0905



8.0125, 0.1535, 0.0657



17.6677, 0.2264, 0.1200



17.3778, 0.2978, 0.3044



3.7727, 0.1500, 0.0600

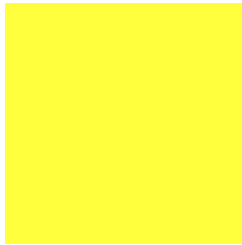


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 93.1278, 0.4111, 0.4916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

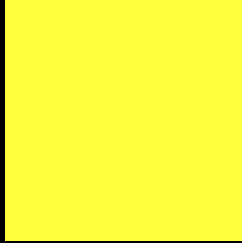
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.1278, 0.4111, 0.4916 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 93.1278, 0.4111, 0.4916**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.1278, 0.4111, 0.4916.



This preview shows how white text looks on a background with the Yxy color 93.1278, 0.4111, 0.4916.

# 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



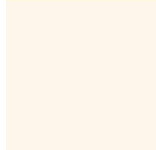
### Original Color

93.1278, 0.4111, 0.4916



### Protanopia

92.8435, 0.3357, 0.3576



### Deuteranopia

93.1697, 0.3252, 0.3397



## Tritanopia

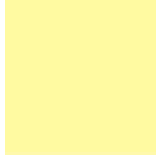
92.8635, 0.3162, 0.3232

# Trichromacy



## Original Color

93.1278, 0.4111, 0.4916



## Protanomaly

92.2044, 0.3700, 0.4167



## Deuteranomaly

91.9899, 0.3637, 0.4053



## Tritanomaly

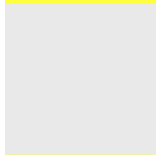
91.7722, 0.3579, 0.3945

# Monochromacy



## Original Color

93.1278, 0.4111, 0.4916



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

84.5516, 0.3566, 0.4016

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.1278, 0.4111, 0.4916 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 93.1278, 0.4111, 0.4916 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, 62) }
```

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

```
.border{ border-color:rgb(255, 255, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
62) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.1278, 0.4111, 0.4916 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, 62) }
```

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

```
.background{ background-color: rgb(255,  
255, 62) }
```

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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