

# Converting Colors

$Y_{xy}(92.9755, 0.4108, 0.4907)$

Have a look what the booklet for  
Yxy(92.9755, 0.4108, 0.4907)  
contains.

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# **Color**

**Yxy(93.1502, 0.4106, 0.4908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF40
RGB	255, 255, 64
RGB Percent	100%, 100%, 25%
CMY	0.0000, 0.0000, 0.7492
CMYK	0.00, 0.00, 0.75, 0.00
HSL	60°, 100%, 63%
HSV	60°, 75%, 100%
XYZ	77.9288, 93.1502, 18.7135
YIQ	233.2260, 61.3110, -59.4010

# Conversions

## Conversions Part 2

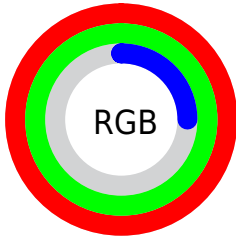
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	64, 255, 64
Decimal	16777024
CIE <sub>Lab</sub>	97.29, -20.34, 84.13
CIE <sub>LCh</sub>	97, 86.551, 103.590
Yxy	93.1502, 0.4106, 0.4908
Android (android.graphics.Color)	4294967104 (0xFFFFFFFF40)
YUV	233.2260, -83.4284, 19.0958
Hunter-Lab	96.5144, -24.7734, 56.0641

# Details

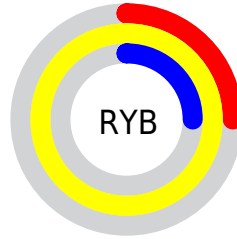
The Yxy color **93.1502, 0.4106, 0.4908** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.9687, 0.1695, 0.0923**, and the grayscale version is **82.2658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.9228, 0.4159, 0.4996**, and if you desaturate by 10%, it is **93.5088, 0.4026, 0.4776**.

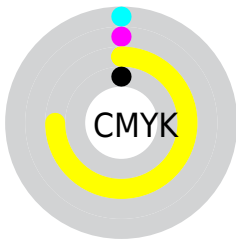
# Distribution



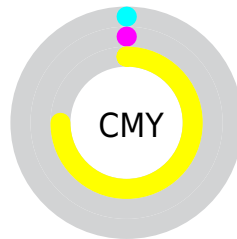
- Red (100%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.1502, 0.4106, 0.4908 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 93.1502, 0.4106, 0.4908 by changing the saturation by 10% instead.





 93.1502, 0.4106,  
0.4908

 93.1502, 0.4106,  
0.4908


538.2259, 0.3748,  
0.4231


 70.5964, 0.4160,  
0.5035


 151.7065, 0.4004,  
0.4694


 52.0129, 0.4211,  
0.5177


 188.4778, 0.3958,  
0.4604


 37.0153, 0.4255,  
0.5333


 230.7570, 0.3915,  
0.4524

 25.2194, 0.4279,  
0.5497

 278.9286, 0.3876,  
0.4453

 16.2406, 0.4297,  
0.5703

 333.3769, 0.3840,  
0.4389

 9.6945, 0.4185,  
0.5815


394.4862, 0.3806,


 5.1969, 0.4020,


0.4331


0.5980


462.6411, 0.3776,  
0.4278


 2.3632, 0.3754,  
0.6246


 0.8069, 0.2510,  
0.7490


 93.1502, 0.4106,  
0.4908


 93.1502, 0.4106,  
0.4908


 92.9228, 0.4159,  
0.4996


 93.5088, 0.4026,  
0.4776

 92.8089, 0.4186,  
0.5041

 94.0165, 0.3921,  
0.4603

 92.7800, 0.4193,  
0.5053

 94.6866, 0.3796,  
0.4396

 95.5311, 0.3655,  
0.4163

■ 96.5612, 0.3505,  
0.3915

■ 97.7869, 0.3352,  
0.3661

■ 99.2176, 0.3200,  
0.3411

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.



93.1502, 0.4769, 0.4334



93.1502, 0.4106, 0.4908



93.1502, 0.3241, 0.5041

# Triad

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



93.1502, 0.4106, 0.4908



93.1502, 0.1553, 0.2468



93.1502, 0.3737, 0.2455

# Complementary

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



93.1502, 0.4106, 0.4908



11.9687, 0.1695, 0.0923

# 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.



93.1502, 0.2768, 0.2061



93.1502, 0.4106, 0.4908



93.1502, 0.1641, 0.2014

# Square

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



93.1502, 0.4106, 0.4908



93.1502, 0.1794, 0.3328



93.1502, 0.2041, 0.1900



93.1502, 0.4620, 0.3017



# Rectangle

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



93.1502, 0.4106, 0.4908



93.1502, 0.2657, 0.4696



93.1502, 0.2041, 0.1900



93.1502, 0.3402, 0.2301

# Sweetspot

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



93.1495, 0.4106, 0.4908



96.8989, 0.3460, 0.3841



25.2901, 0.5737, 0.3298



20.6732, 0.3502, 0.3910



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.



93.1495, 0.4106, 0.4908



92.8524, 0.4176, 0.5024



79.3088, 0.3455, 0.5364



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.



11.9687, 0.1695, 0.0923



8.1499, 0.1541, 0.0667



18.2999, 0.2302, 0.1229



17.3778, 0.2978, 0.3044



3.7726, 0.1500, 0.0600

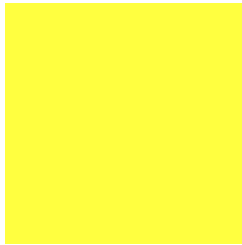


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 93.1502, 0.4106, 0.4908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

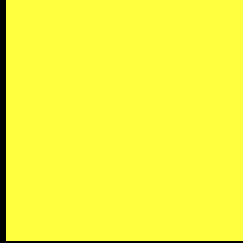
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.1502, 0.4106, 0.4908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

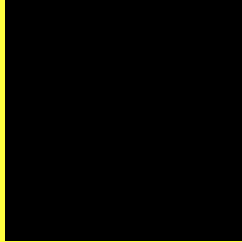
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.1502, 0.4106, 0.4908**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.1502, 0.4106, 0.4908.



This preview shows how white text looks on a background with the Yxy color 93.1502, 0.4106, 0.4908.

# Color Blindness Simulation

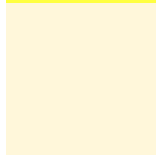
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



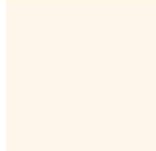
### Original Color

93.1502, 0.4106, 0.4908



### Protanopia

92.8435, 0.3357, 0.3576



### Deuteranopia

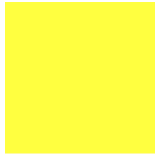
93.1697, 0.3252, 0.3397



## Tritanopia

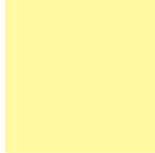
92.8635, 0.3162, 0.3232

# Trichromacy



## Original Color

93.1502, 0.4106, 0.4908



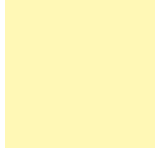
## Protanomaly

92.2398, 0.3694, 0.4158



## Deuteranomaly

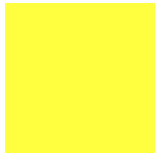
92.0285, 0.3631, 0.4043



## Tritanomaly

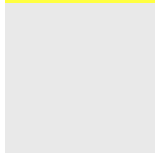
91.7722, 0.3579, 0.3945

# Monochromacy



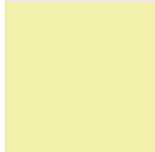
## Original Color

93.1502, 0.4106, 0.4908



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

84.5899, 0.3560, 0.4006

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.1502, 0.4106, 0.4908 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 64) }
```

## Border

The CSS property to change the border of an element to Yxy 93.1502, 0.4106, 0.4908 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, 64) }
```

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

```
.border{ border-color:rgb(255, 255, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
64) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.1502, 0.4106, 0.4908 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, 64) }
```

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

```
.background{ background-color: rgb(255,  
255, 64) }
```

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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