

# Converting Colors

$Y_{xy}(39.8405, 0.3365, 0.5710)$

Have a look what the booklet for  
Yxy(39.8405, 0.3365, 0.5710)  
contains.

<b>Yxy(39.7484, 0.3368, 0.5708)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(39.7484, 0.3368, 0.5708)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	60BF00
RGB	96, 191, 0
RGB Percent	38%, 75%, 0%
CMY	0.6236, 0.2510, 1.0000
CMYK	0.50, 0.00, 1.00, 0.25
HSL	90°, 100%, 37%
HSV	90°, 100%, 75%
XYZ	23.4535, 39.7484, 6.4344
YIQ	140.8210, 4.6910, -79.5410

# Conversions

## Conversions Part 2

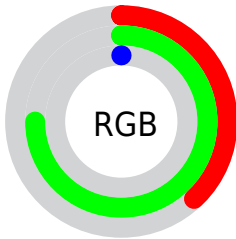
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 191, 95
Decimal	6340352
CIELab	69.29, -54.02, 69.15
CIELCh	69, 87.747, 127.995
Yxy	39.7484, 0.3368, 0.5708
Android (android.graphics.Color)	4284530432 (0xFF60BF00)
YUV	140.8210, -69.4248, -39.3080
Hunter-Lab	63.0463, -43.9283, 38.0814

# Details

The Yxy color **39.7484, 0.3368, 0.5708** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **6.1957, 0.2016, 0.0884**, and the grayscale version is **26.8379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6679, 0.3405, 0.5243**, and **18.1109, 0.3074, 0.5941** is the 20% darker color. If you saturate the color by 10%, you get **39.7502, 0.3368, 0.5708**, and if you desaturate by 10%, it is **40.3444, 0.3417, 0.5597**.

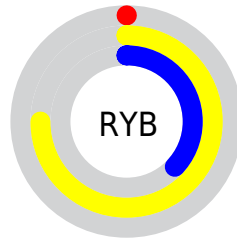
# Distribution



Red (38%)

Green (75%)

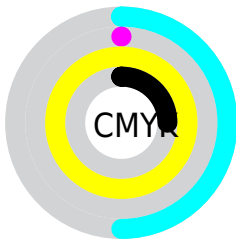
Blue (0%)



Red (0%)

Yellow (75%)

Blue (37%)

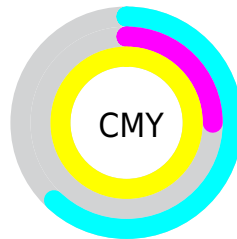


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (62%)

Magenta (25%)

Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7484, 0.3368, 0.5708 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 39.7484, 0.3368, 0.5708 by changing the saturation by 10% instead.





 39.7484, 0.3368,  
0.5708


 39.7484, 0.3368,  
0.5708


345.0620, 0.3366,  
0.4424

 27.3424, 0.3313,  
0.6018


 74.7802, 0.3406,  
0.5240


 17.8306, 0.3207,  
0.6394


 98.1749, 0.3408,  
0.5063


 10.8284, 0.3054,  
0.6946


 126.0012, 0.3405,  
0.4914

 5.9516, 0.2645,  
0.7355

 158.6436, 0.3399,  
0.4786

 2.8157, 0.2016,  
0.7984

 196.4865, 0.3391,  
0.4677

 1.0363, 0.0000,  
1.0000

 239.9143, 0.3383,

 0.0000, 0.0000,

0.4581

0.0000

289.3113, 0.3375,  
0.4498

■ 39.7484, 0.3368,  
0.5708

■ 39.7484, 0.3368,  
0.5708

■ 39.7502, 0.3368,  
0.5708

■ 40.3444, 0.3417,  
0.5597

■ 41.0496, 0.3451,  
0.5437

■ 41.8844, 0.3463,  
0.5224

■ 42.8594, 0.3453,  
0.4969

■ 43.9835, 0.3424,  
0.4686

■ 45.2649, 0.3379,  
0.4390

■ 46.7109, 0.3323,  
0.4094

■ 48.3284, 0.3261,  
0.3808

■ 50.1237, 0.3194,  
0.3539

# Harmonies

## Analogous

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



39.7484, 0.4442, 0.5172



39.7484, 0.3368, 0.5708



39.7484, 0.2292, 0.5106

# Triad

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



39.7484, 0.3368, 0.5708



39.7484, 0.1238, 0.1725



39.7484, 0.4940, 0.2750

# Complementary

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



39.7484, 0.3368, 0.5708



6.1957, 0.2016, 0.0884

# 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.



39.7484, 0.3664, 0.2116



39.7484, 0.3368, 0.5708



39.7484, 0.1630, 0.1555

# Square

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



39.7484, 0.3368, 0.5708



39.7484, 0.1185, 0.2330



39.7484, 0.2433, 0.1697



39.7484, 0.5555, 0.3485

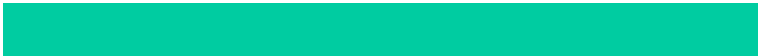


# Rectangle

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



39.7484, 0.3368, 0.5708



39.7484, 0.1719, 0.4095



39.7484, 0.2433, 0.1697



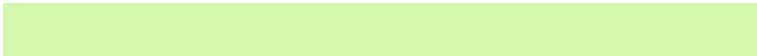
39.7484, 0.4555, 0.2523

# Sweetspot

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



39.7502, 0.3368, 0.5708



83.5243, 0.3326, 0.4108



18.7868, 0.5459, 0.4047



18.0917, 0.3351, 0.4234



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7502, 0.3368, 0.5708



71.0435, 0.3357, 0.5716



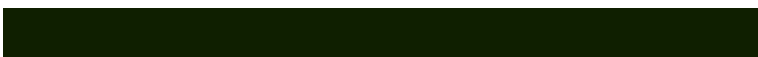
37.2846, 0.3003, 0.5997



10.8788, 0.3190, 0.3522



26.1695, 0.3378, 0.5700



1.0640, 0.3563, 0.5553



# Inverse Universe

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



6.1957, 0.2016, 0.0884



10.9514, 0.2001, 0.0876



14.4306, 0.3168, 0.1519



9.4522, 0.3060, 0.3058



4.1193, 0.2030, 0.0892

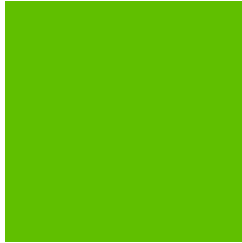


0.2003, 0.2297, 0.1039



# Previews

## White Background



This preview shows how the Yxy color 39.7484, 0.3368, 0.5708 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 39.7484, 0.3368, 0.5708 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 39.7484, 0.3368, 0.5708**

## Background



This preview shows how black text looks on a background with the Yxy color 39.7484, 0.3368, 0.5708.



This preview shows how white text looks on a background with the Yxy color 39.7484, 0.3368, 0.5708.

# 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

39.7484, 0.3368, 0.5708

### Protanopia

39.3231, 0.4402, 0.4887

### Deuteranopia

38.9398, 0.4631, 0.4518



## Tritanopia

39.7115, 0.2587, 0.3083

# Trichromacy



## Original Color

39.7484, 0.3368, 0.5708



## Protanomaly

38.5122, 0.3987, 0.5217



## Deuteranomaly

37.7421, 0.4142, 0.4992



## Tritanomaly

38.7169, 0.3004, 0.4288

# Monochromacy



## Original Color

39.7484, 0.3368, 0.5708



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

29.8944, 0.3396, 0.4472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.7484, 0.3368, 0.5708 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(96, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 191, 0)  
}
```

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(96, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 191, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 39.7484, 0.3368, 0.5708 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(96, 191, 0) }
```

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

```
.border{ border-color:rgb(96, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 191, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 39.7484, 0.3368, 0.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 191, 0) }
```

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

```
.background{ background-color: rgb(96, 191,  
0) }
```

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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