

# Converting Colors

$Y_{xy}(37.4089, 0.2450, 0.3059)$

Have a look what the booklet for  
Yxy(37.4089, 0.2450, 0.3059)  
contains.

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# Color

**Yxy(37.4089, 0.2450, 0.3059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62B0BF
RGB	98, 176, 191
RGB Percent	38%, 69%, 75%
CMY	0.6158, 0.3098, 0.2510
CMYK	0.49, 0.08, 0.00, 0.25
HSL	190°, 42%, 57%
HSV	190°, 49%, 75%
XYZ	29.9614, 37.4089, 54.9210
YIQ	154.3880, -51.3030, -11.8710

# Conversions

## Conversions Part 2

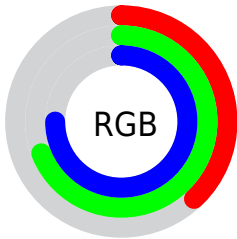
Format	Color
R <sub>Y</sub> B	98, 140, 191
Decimal	6467775
CIE Lab	67.58, -19.98, -15.10
CIE LCh	68, 25.045, 217.069
Yxy	37.4089, 0.2450, 0.3059
Android (android.graphics.Color)	4284657855 (0xFF62B0BF)
YUV	154.3880, 18.0497, -49.4523
Hunter-Lab	61.1628, -19.5945, -10.4253

# Details

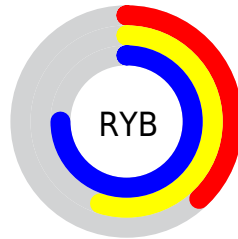
The Yxy color **37.4089, 0.2450, 0.3059** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.7510, 0.4356, 0.3498**, and the grayscale version is **32.4268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2987, 0.2576, 0.3115**, and **16.4130, 0.2249, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **35.2802, 0.2345, 0.3003**, and if you desaturate by 10%, it is **39.8211, 0.2570, 0.3113**.

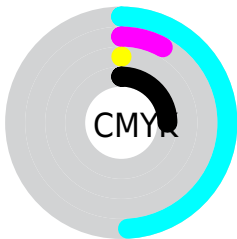
# Distribution



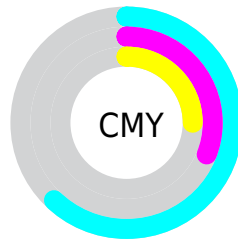
- Red (38%)
- Green (69%)
- Blue (75%)



- Red (38%)
- Yellow (55%)
- Blue (75%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)




- Cyan (62%)
- Magenta (31%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4089, 0.2450, 0.3059 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 37.4089, 0.2450, 0.3059 by changing the saturation by 10% instead.




 37.4089, 0.2450,  
0.3059

 37.4089, 0.2450,  
0.3059


335.0775, 0.2792,  
0.3186


 25.5242, 0.2364,  
0.3023


 71.2012, 0.2575,  
0.3108


 16.4681, 0.2253,  
0.2975


 93.8777, 0.2622,  
0.3126

 9.8560, 0.2107,  
0.2908


 120.9202, 0.2661,  
0.3140

 5.3036, 0.1903,  
0.2806

 152.7132, 0.2695,  
0.3152

 2.4265, 0.1606,  
0.2638

189.6410, 0.2724,  
0.3163

 0.8394, 0.0884,  
0.2393

232.0880, 0.2750,

 0.0000, 0.0000,

0.3172

0.0000

280.4387, 0.2772,  
0.3180

■ 37.4089, 0.2450,  
0.3059

■ 37.4089, 0.2450,  
0.3059

■ 35.2802, 0.2345,  
0.3003

■ 39.8211, 0.2570,  
0.3113

■ 33.4123, 0.2258,  
0.2947

■ 42.5293, 0.2703,  
0.3163

■ 31.7856, 0.2189,  
0.2889


■ 45.5502, 0.2846,  
0.3211

■ 30.3756, 0.2140,  
0.2832


■ 48.8980, 0.2994,  
0.3255


■ 29.1413, 0.2106,  
0.2775

■ 52.5858, 0.3147,  
0.3295

 28.9869, 0.2102,  
0.2768

 56.6263, 0.3301,  
0.3331

 61.0311, 0.3453,  
0.3364

 65.8115, 0.3603,  
0.3392

 68.0528, 0.3629,  
0.3423

# Harmonies

## Analogous

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



37.4089, 0.2620, 0.3416



37.4089, 0.2450, 0.3059



37.4089, 0.2448, 0.2797

# Triad

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



37.4089, 0.2450, 0.3059



37.4089, 0.3299, 0.2882



37.4089, 0.3642, 0.3932

# Complementary

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



37.4089, 0.2450, 0.3059



23.7510, 0.4356, 0.3498

# 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.



37.4089, 0.3850, 0.3738



37.4089, 0.2450, 0.3059



37.4089, 0.3649, 0.3143

# Square

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



37.4089, 0.2450, 0.3059



37.4089, 0.2919, 0.2716



37.4089, 0.3855, 0.3450



37.4089, 0.3302, 0.3950



# Rectangle

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



37.4089, 0.2450, 0.3059



37.4089, 0.2541, 0.2703



37.4089, 0.3855, 0.3450



37.4089, 0.3730, 0.3883

# Sweetspot

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



37.4103, 0.2450, 0.3059



83.6098, 0.2897, 0.3227



41.0166, 0.2973, 0.4587



18.0862, 0.2865, 0.3217



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.



37.4103, 0.2450, 0.3059



63.1240, 0.2343, 0.3002



22.4594, 0.2309, 0.2306



10.5409, 0.2985, 0.3252



19.1523, 0.2104, 0.2776



0.8213, 0.2142, 0.2911



# Inverse Universe

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



22.9376, 0.3356, 0.2286



35.1116, 0.3418, 0.2109



36.5545, 0.4032, 0.4096



9.6692, 0.3161, 0.3100



8.9631, 0.3657, 0.1788

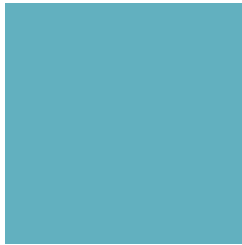


0.3583, 0.3533, 0.1720



# Previews

## White Background



This preview shows how the Yxy color 37.4089, 0.2450, 0.3059 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 37.4089, 0.2450, 0.3059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

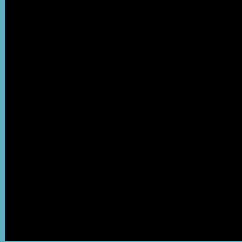
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.4089, 0.2450, 0.3059**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.4089, 0.2450, 0.3059.



This preview shows how white text looks on a background with the Yxy color 37.4089, 0.2450, 0.3059.

# 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

37.4089, 0.2450, 0.3059

### Protanopia

37.1489, 0.2949, 0.3023

### Deuteranopia

37.0360, 0.2886, 0.2826



## Tritanopia

37.3650, 0.2456, 0.3073

# Trichromacy



**Original Color**

37.4089, 0.2450, 0.3059

**Protanomaly**

36.9113, 0.2738, 0.3040

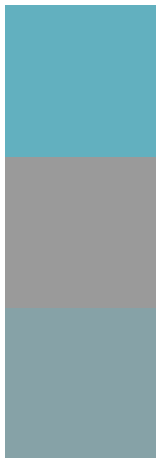
**Deuteranomaly**

36.7854, 0.2701, 0.2902

**Tritanomaly**

37.3650, 0.2456, 0.3073

# Monochromacy



**Original Color**

37.4089, 0.2450, 0.3059

**Achromatopsia**

32.3143, 0.3127, 0.3290

**Achromatomaly**

33.6990, 0.2833, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.4089, 0.2450, 0.3059 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(98, 176, 191)` looks like.

```
.text, #text, p{  
    color:rgb(98, 176, 191)  
}
```

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(98, 176, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 176, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 37.4089, 0.2450, 0.3059 is called "border". The border property can be set on classes, ids or directly on the HTML element.

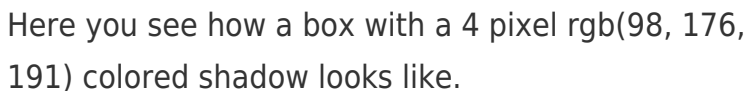
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 176, 191) }
```

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

```
.border{ border-color:rgb(98, 176, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 176, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 176, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 176, 191);  
box-shadow:4px 4px 4px 4px rgb(98, 176,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.4089, 0.2450, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 176, 191) }
```

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

```
.background{ background-color: rgb(98, 176,  
191) }
```

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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