

# Converting Colors

$Yxy(37.8083, 0.3610, 0.5418)$

Have a look what the booklet for  
Yxy(37.8083, 0.3610, 0.5418)  
contains.

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**Color**

**Yxy(37.8028, 0.3611, 0.5418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CB617
RGB	124, 182, 23
RGB Percent	49%, 71%, 9%
CMY	0.5137, 0.2863, 0.9101
CMYK	0.32, 0.00, 0.87, 0.29
HSL	82°, 78%, 40%
HSV	82°, 87%, 71%
XYZ	25.1949, 37.8028, 6.7749
YIQ	146.5320, 16.4710, -61.7450

# Conversions

## Conversions Part 2

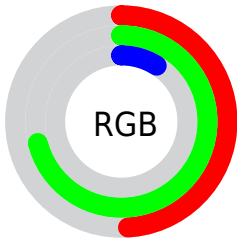
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 182, 81
Decimal	8173079
CIE <sub>Lab</sub>	67.88, -40.34, 65.36
CIE <sub>LCh</sub>	68, 76.807, 121.683
Yxy	37.8028, 0.3611, 0.5418
Android (android.graphics.Color)	4286363159 (0xFF7CB617)
YUV	146.5320, -60.9013, -19.7606
Hunter-Lab	61.4840, -34.4513, 36.5056

# Details

The Yxy color **37.8028, 0.3611, 0.5418** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **5.7332, 0.1939, 0.0916**, and the grayscale version is **29.2232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6447, 0.3591, 0.5014**, and **16.8938, 0.3413, 0.5672** is the 20% darker color. If you saturate the color by 10%, you get **37.2753, 0.3578, 0.5524**, and if you desaturate by 10%, it is **38.4151, 0.3622, 0.5264**.

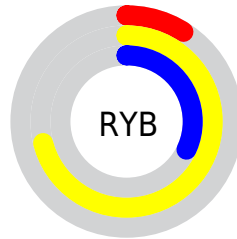
# Distribution



Red (49%)

Green (71%)

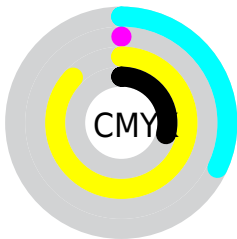
Blue (9%)



Red (9%)

Yellow (71%)

Blue (32%)

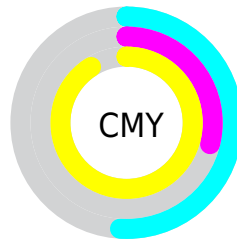


Cyan (32%)

Magenta (0%)

Yellow (87%)

Black (29%)



Cyan (51%)

Magenta (29%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8028, 0.3611, 0.5418 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 37.8028, 0.3611, 0.5418 by changing the saturation by 10% instead.




 37.8028, 0.3611,  
0.5418

 37.8028, 0.3611,  
0.5418


336.7733, 0.3462,  
0.4300


 25.8297, 0.3600,  
0.5686


 71.8058, 0.3589,  
0.5013


 16.6963, 0.3551,  
0.6009


 94.6044, 0.3571,  
0.4859

 10.0182, 0.3490,  
0.6510


 121.7804, 0.3551,  
0.4729

 5.4110, 0.3164,  
0.6836

 153.7180, 0.3531,  
0.4617

 2.4904, 0.2649,  
0.7351

 190.8017, 0.3512,  
0.4521

 0.8718, 0.0000,  
1.0000

 233.4159, 0.3494,

 0.0000, 0.0000,

0.4438

0.0000

281.9449, 0.3477,  
0.4364

■ 37.8028, 0.3611,  
0.5418

■ 37.8028, 0.3611,  
0.5418

■ 37.2753, 0.3578,  
0.5524

■ 38.4151, 0.3622,  
0.5264

■ 37.1463, 0.3568,  
0.5549

■ 39.1183, 0.3609,  
0.5063

■ 39.9221, 0.3573,  
0.4824

■ 40.8330, 0.3518,  
0.4559

■ 41.8572, 0.3447,  
0.4282

■ 43.0001, 0.3367,  
0.4002

■ 44.2667, 0.3281,  
0.3730

■ 45.6619, 0.3192,  
0.3471

■ 47.1901, 0.3105,  
0.3229

# Harmonies

## Analogous

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



37.8028, 0.4561, 0.4890



37.8028, 0.3611, 0.5418



37.8028, 0.2597, 0.5085

# Triad

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



37.8028, 0.3611, 0.5418



37.8028, 0.1346, 0.1948



37.8028, 0.4538, 0.2679

# Complementary

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



37.8028, 0.3611, 0.5418



5.7332, 0.1939, 0.0916

# 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.



37.8028, 0.3364, 0.2116



37.8028, 0.3611, 0.5418



37.8028, 0.1648, 0.1702

# Square

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



37.8028, 0.3611, 0.5418



37.8028, 0.1375, 0.2631



37.8028, 0.2315, 0.1774



37.8028, 0.5263, 0.3364



# Rectangle

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



37.8028, 0.3611, 0.5418



37.8028, 0.2014, 0.4301



37.8028, 0.2315, 0.1774



37.8028, 0.4166, 0.2473

# Sweetspot

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



37.8045, 0.3611, 0.5418



78.1670, 0.3359, 0.3975



15.5419, 0.5500, 0.3848



17.0996, 0.3388, 0.4071



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



37.8045, 0.3611, 0.5418



67.2050, 0.3558, 0.5557



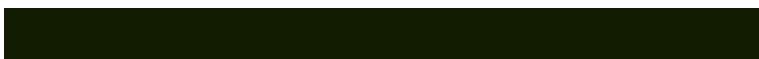
34.1181, 0.3079, 0.5822



10.3353, 0.3209, 0.3520



26.2698, 0.3575, 0.5543



0.9598, 0.3738, 0.5414



# Inverse Universe

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



5.7332, 0.1939, 0.0916



8.1235, 0.1775, 0.0751



11.2709, 0.2882, 0.1420



8.8746, 0.3040, 0.3058



3.2464, 0.1802, 0.0766



0.1501, 0.2112, 0.0937



# Previews

## White Background



This preview shows how the Yxy color 37.8028, 0.3611, 0.5418 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 37.8028, 0.3611, 0.5418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

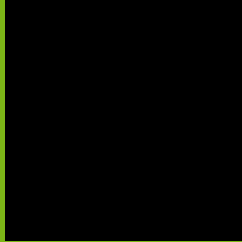
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.8028, 0.3611, 0.5418**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.8028, 0.3611, 0.5418.



This preview shows how white text looks on a background with the Yxy color 37.8028, 0.3611, 0.5418.

# 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

37.8028, 0.3611, 0.5418

### Protanopia

37.3898, 0.4381, 0.4846

### Deuteranopia

37.2024, 0.4609, 0.4509



## Tritanopia

37.5456, 0.2785, 0.3085

# Trichromacy



## Original Color

37.8028, 0.3611, 0.5418

## Protanomaly

36.9594, 0.4084, 0.5068

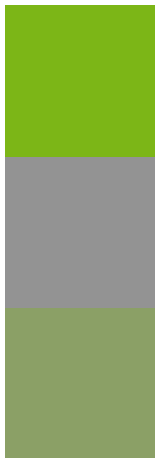
## Deuteranomaly

36.3729, 0.4244, 0.4843

## Tritanomaly

36.9037, 0.3177, 0.4067

# Monochromacy



## Original Color

37.8028, 0.3611, 0.5418

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

31.5899, 0.3437, 0.4239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.8028, 0.3611, 0.5418 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(124, 182, 23)` looks like.

```
.text, #text, p{  
    color:rgb(124, 182, 23)  
}
```

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(124, 182, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 182, 23) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8028, 0.3611, 0.5418 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(124, 182, 23) }
```

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

```
.border{ border-color:rgb(124, 182, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 182, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 182, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 182, 23);  
box-shadow:4px 4px 4px 4px rgb(124, 182,  
23) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8028, 0.3611, 0.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 182, 23) }
```

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

```
.background{ background-color: rgb(124,  
182, 23) }
```

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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