

Converting Colors

$Yxy(37.4892, 0.3748, 0.5732)$

Have a look what the booklet for
Yxy(37.4892, 0.3748, 0.5732)
contains.

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Color

Yxy(37.7410, 0.3642, 0.5490)

Conversions

Conversions Part 1

Format	Color
Hex	7CB600
RGB	124, 182, 0
RGB Percent	49%, 71%, 0%
CMY	0.5139, 0.2862, 0.9997
CMYK	0.32, 0.00, 1.00, 0.29
HSL	79°, 100%, 36%
HSV	79°, 100%, 71%
XYZ	25.0369, 37.7410, 5.9671
YIQ	143.9100, 23.8540, -68.8980

Conversions

Conversions Part 2

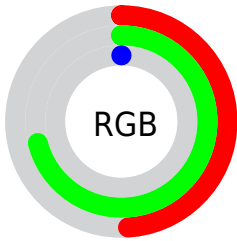
Format	Color
RYB	0, 182, 58
Decimal	8173056
CIELab	67.83, -40.82, 68.57
CIELCh	68, 79.795, 120.765
Yxy	37.7410, 0.3642, 0.5490
Android (android.graphics.Color)	4286363136 (0xFF7CB600)
YUV	143.9100, -70.9476, -17.4611
Hunter-Lab	61.4337, -34.7624, 37.2447

Details

The Yxy color **37.7410, 0.3642, 0.5490** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.2830, 0.1728, 0.0726**, and the grayscale version is **28.1379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5229, 0.3621, 0.5078**, and **16.8938, 0.3413, 0.5672** is the 20% darker color. If you saturate the color by 10%, you get **37.7405, 0.3642, 0.5490**, and if you desaturate by 10%, it is **38.2324, 0.3672, 0.5397**.

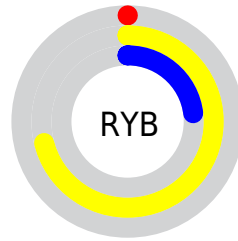
Distribution



Red (49%)

Green (71%)

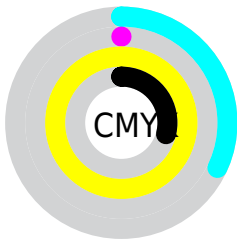
Blue (0%)



Red (0%)

Yellow (71%)

Blue (23%)

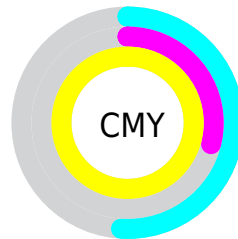


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (51%)


Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7410, 0.3642, 0.5490 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 37.7410, 0.3642, 0.5490 by changing the saturation by 10% instead.

 37.7410, 0.3642,
0.5490


 37.7410, 0.3642,
0.5490


336.5076, 0.3489,
0.4342

 25.7817, 0.3626,
0.5758


 71.7110, 0.3623,
0.5078

 16.6604, 0.3568,
0.6077


 94.4905, 0.3604,
0.4920


 9.9927, 0.3472,
0.6528


 121.6455, 0.3583,
0.4786

 5.3941, 0.3141,
0.6859

 153.5605, 0.3563,
0.4671

 2.4803, 0.2619,
0.7381

 190.6198, 0.3543,
0.4572

 0.8668, 0.0000,
1.0000

 233.2078, 0.3523,

 0.0000, 0.0000,

0.4486

0.0000

281.7090, 0.3506,
0.4410

■ 37.7410, 0.3642,
0.5490

■ 37.7410, 0.3642,
0.5490

■ 37.7405, 0.3642,
0.5490

■ 38.2324, 0.3672,
0.5397

■ 38.7894, 0.3683,
0.5263

■ 39.4295, 0.3669,
0.5083

■ 40.1605, 0.3631,
0.4861

■ 40.9892, 0.3572,
0.4610

■ 41.9217, 0.3497,
0.4342

■ 42.9632, 0.3411,
0.4067

■ 44.1189, 0.3318,
0.3796

■ 45.3933, 0.3222,
0.3535

Harmonies

Analogous

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



37.7410, 0.4618, 0.4902



37.7410, 0.3642, 0.5490



37.7410, 0.2599, 0.5197

Triad

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



37.7410, 0.3642, 0.5490



37.7410, 0.1294, 0.1917



37.7410, 0.4558, 0.2636

Complementary

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



37.7410, 0.3642, 0.5490



4.2830, 0.1728, 0.0726

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.



37.7410, 0.3331, 0.2066



37.7410, 0.3642, 0.5490



37.7410, 0.1590, 0.1658

Square

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



37.7410, 0.3642, 0.5490



37.7410, 0.1330, 0.2630



37.7410, 0.2259, 0.1724



37.7410, 0.5330, 0.3330

Rectangle

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



37.7410, 0.3642, 0.5490



37.7410, 0.1995, 0.4388



37.7410, 0.2259, 0.1724



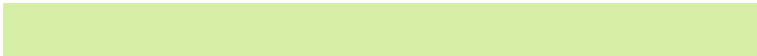
37.7410, 0.4166, 0.2426

Sweetspot

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



37.7427, 0.3642, 0.5490



77.7728, 0.3416, 0.4082



12.9418, 0.5917, 0.3683



16.9979, 0.3453, 0.4198



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.



37.7427, 0.3642, 0.5490



68.2831, 0.3633, 0.5497



33.7907, 0.3060, 0.5952



10.3558, 0.3216, 0.3519



26.6856, 0.3648, 0.5485



0.9723, 0.3794, 0.5370

Inverse Universe

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



4.2830, 0.1728, 0.0726



7.6459, 0.1712, 0.0717



9.7370, 0.2750, 0.1289



8.8548, 0.3033, 0.3057



3.0538, 0.1738, 0.0731



0.1418, 0.2044, 0.0900

Previews

White Background



This preview shows how the Yxy color 37.7410, 0.3642, 0.5490 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 37.7410, 0.3642, 0.5490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

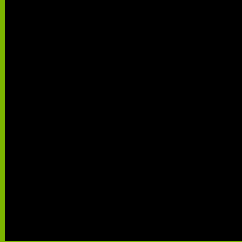
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7410, 0.3642, 0.5490

Background



This preview shows how black text looks on a background with the Yxy color 37.7410, 0.3642, 0.5490.



This preview shows how white text looks on a background with the Yxy color 37.7410, 0.3642, 0.5490.

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

37.7410, 0.3642, 0.5490

Protanopia

37.3494, 0.4407, 0.4883

Deuteranopia

37.1637, 0.4633, 0.4540



Tritanopia

37.5456, 0.2785, 0.3085

Trichromacy



Original Color

37.7410, 0.3642, 0.5490

Protanomaly

36.9124, 0.4112, 0.5117

Deuteranomaly

36.3153, 0.4280, 0.4898

Tritanomaly

36.6840, 0.3248, 0.4213

Monochromacy



Original Color

37.7410, 0.3642, 0.5490

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.5448, 0.3509, 0.4379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7410, 0.3642, 0.5490 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 182, 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(124, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 182, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.7410, 0.3642, 0.5490 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, 0) }
```

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

```
.border{ border-color:rgb(124, 182, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 182,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7410, 0.3642, 0.5490 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, 0) }
```

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

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