

Converting Colors

$Yxy(37.8884, 0.3705, 0.5416)$

Have a look what the booklet for
Yxy(37.8884, 0.3705, 0.5416)
contains.

Yxy(37.8884, 0.3705, 0.5416)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8884, 0.3705, 0.5416)

Conversions

Conversions Part 1

Format	Color
Hex	83B507
RGB	131, 181, 7
RGB Percent	51%, 71%, 3%
CMY	0.4864, 0.2902, 0.9723
CMYK	0.28, 0.00, 0.96, 0.29
HSL	77°, 92%, 37%
HSV	77°, 96%, 71%
XYZ	25.9189, 37.8884, 6.1492
YIQ	146.2140, 26.0540, -64.7140

Conversions

Conversions Part 2

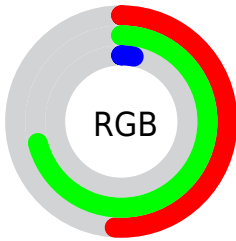
Format	Color
RYB	7, 181, 57
Decimal	8631559
CIELab	67.94, -37.57, 67.99
CIELCh	68, 77.676, 118.922
Yxy	37.8884, 0.3705, 0.5416
Android (android.graphics.Color)	4286821639 (0xFF83B507)
YUV	146.2140, -68.6325, -13.3427
Hunter-Lab	61.5536, -32.5563, 37.1644

Details

The Yxy color **37.8884, 0.3705, 0.5416** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.3624, 0.1728, 0.0746**, and the grayscale version is **29.1173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8389, 0.3669, 0.5024**, and **16.9342, 0.3509, 0.5596** is the 20% darker color. If you saturate the color by 10%, you get **37.7142, 0.3694, 0.5449**, and if you desaturate by 10%, it is **38.3717, 0.3725, 0.5317**.

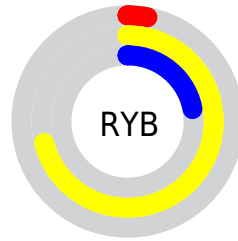
Distribution



Red (51%)

Green (71%)

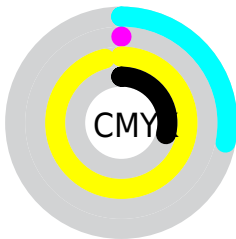
Blue (3%)



Red (3%)

Yellow (71%)

Blue (22%)

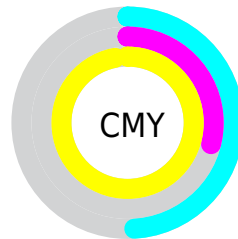


Cyan (28%)

Magenta (0%)

Yellow (96%)

Black (29%)



Cyan (49%)


Magenta (29%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8884, 0.3705, 0.5416 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 37.8884, 0.3705, 0.5416 by changing the saturation by 10% instead.

 37.8884, 0.3705,
0.5416


 37.8884, 0.3705,
0.5416


337.1410, 0.3514,
0.4314


 25.8961, 0.3700,
0.5672


 71.9371, 0.3671,
0.5022


 16.7459, 0.3659,
0.5975

 94.7622, 0.3646,
0.4871


 10.0535, 0.3590,
0.6410


 121.9670, 0.3622,
0.4742

 5.4344, 0.3287,
0.6713

 153.9360, 0.3597,
0.4631

 2.5044, 0.2807,
0.7193

 191.0535, 0.3574,
0.4536

 0.8788, 0.0000,
1.0000

 233.7039, 0.3553,

 0.0000, 0.0000,

0.4452

0.0000

282.2716, 0.3533,
0.4379

■ 37.8884, 0.3705,
0.5416

■ 37.8884, 0.3705,
0.5416

■ 37.7142, 0.3694,
0.5449

■ 38.3717, 0.3725,
0.5317

■ 38.9245, 0.3721,
0.5170

■ 39.5578, 0.3693,
0.4979

■ 40.2789, 0.3641,
0.4751

■ 41.0939, 0.3570,
0.4498

■ 42.0084, 0.3484,
0.4230

■ 43.0276, 0.3389,
0.3959

■ 44.1559, 0.3289,
0.3692

■ 45.3979, 0.3188,
0.3438

Harmonies

Analogous

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



37.8884, 0.4647, 0.4830



37.8884, 0.3705, 0.5416



37.8884, 0.2680, 0.5187

Triad

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



37.8884, 0.3705, 0.5416



37.8884, 0.1322, 0.1978



37.8884, 0.4453, 0.2614

Complementary

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



37.8884, 0.3705, 0.5416



4.3624, 0.1728, 0.0746

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.



37.8884, 0.3255, 0.2064



37.8884, 0.3705, 0.5416



37.8884, 0.1594, 0.1698

Square

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



37.8884, 0.3705, 0.5416



37.8884, 0.1381, 0.2714



37.8884, 0.2229, 0.1744



37.8884, 0.5249, 0.3295

Rectangle

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



37.8884, 0.3705, 0.5416



37.8884, 0.2075, 0.4439



37.8884, 0.2229, 0.1744



37.8884, 0.4066, 0.2411

Sweetspot

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



37.8901, 0.3705, 0.5416



76.4133, 0.3422, 0.4050



12.7020, 0.5898, 0.3650



16.3508, 0.3462, 0.4164



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.8901, 0.3705, 0.5416



67.4156, 0.3686, 0.5455



33.6195, 0.3093, 0.5896



9.7814, 0.3220, 0.3518



26.0328, 0.3700, 0.5444



0.8470, 0.3844, 0.5330

Inverse Universe

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



4.3624, 0.1728, 0.0746



7.1857, 0.1674, 0.0696



9.3580, 0.2689, 0.1271



8.3446, 0.3028, 0.3058



2.8357, 0.1699, 0.0710



0.1197, 0.2021, 0.0887

Previews

White Background



This preview shows how the Yxy color 37.8884, 0.3705, 0.5416 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 37.8884, 0.3705, 0.5416 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 37.8884, 0.3705, 0.5416

Background



This preview shows how black text looks on a background with the Yxy color 37.8884, 0.3705, 0.5416.



This preview shows how white text looks on a background with the Yxy color 37.8884, 0.3705, 0.5416.

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

37.8884, 0.3705, 0.5416

Protanopia

37.3494, 0.4407, 0.4883

Deuteranopia

37.3023, 0.4646, 0.4538



Tritanopia

37.6786, 0.2840, 0.3087

Trichromacy



Original Color

37.8884, 0.3705, 0.5416

Protanomaly

37.2394, 0.4139, 0.5086

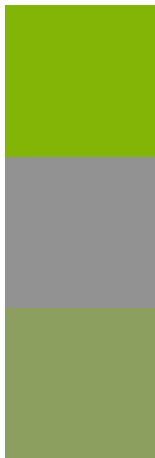
Deuteranomaly

36.6795, 0.4305, 0.4867

Tritanomaly

36.9459, 0.3298, 0.4149

Monochromacy



Original Color

37.8884, 0.3705, 0.5416

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.2852, 0.3522, 0.4330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8884, 0.3705, 0.5416 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(131, 181, 7)` looks like.

```
.text, #text, p{  
    color:rgb(131, 181, 7)  
}
```

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(131, 181, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 181, 7) }
```

Border

The CSS property to change the border of an element to Yxy 37.8884, 0.3705, 0.5416 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(131, 181, 7) }
```

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

```
.border{ border-color:rgb(131, 181, 7) }
```

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

Here you see how a box with a 4 pixel rgb(131, 181, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 181, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 181, 7);  
box-shadow:4px 4px 4px 4px rgb(131, 181,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8884, 0.3705, 0.5416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 181, 7) }
```

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

```
.background{ background-color: rgb(131,  
181, 7) }
```

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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