

Converting Colors

$Y_{xy}(37.5295, 0.3664, 0.5431)$

Have a look what the booklet for
Yxy(37.5295, 0.3664, 0.5431)
contains.

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Color

Yxy(37.5863, 0.3662, 0.5432)

Conversions

Conversions Part 1

Format	Color
Hex	7FB50C
RGB	127, 181, 12
RGB Percent	50%, 71%, 5%
CMY	0.5021, 0.2902, 0.9527
CMYK	0.30, 0.00, 0.93, 0.29
HSL	79°, 87%, 38%
HSV	79°, 93%, 71%
XYZ	25.3389, 37.5863, 6.2690
YIQ	145.5880, 22.0650, -64.0070

Conversions

Conversions Part 2

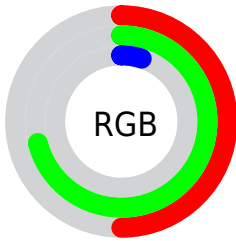
Format	Color
RYB	12, 181, 66
Decimal	8369420
CIELab	67.71, -39.04, 67.11
CIELCh	68, 77.636, 120.188
Yxy	37.5863, 0.3662, 0.5432
Android (android.graphics.Color)	4286559500 (0xFF7FB50C)
YUV	145.5880, -65.8589, -16.3017
Hunter-Lab	61.3077, -33.5130, 36.8527

Details

The Yxy color **37.5863, 0.3662, 0.5432** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.7637, 0.1801, 0.0800**, and the grayscale version is **28.8361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3679, 0.3632, 0.5027**, and **16.7779, 0.3463, 0.5632** is the 20% darker color. If you saturate the color by 10%, you get **37.2705, 0.3641, 0.5491**, and if you desaturate by 10%, it is **38.1132, 0.3681, 0.5315**.

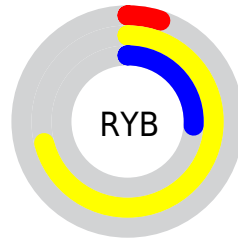
Distribution



Red (50%)

Green (71%)

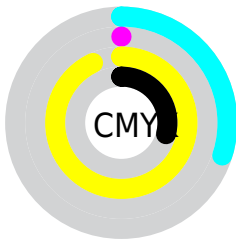
Blue (5%)



Red (5%)

Yellow (71%)

Blue (26%)

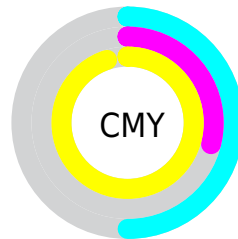


Cyan (30%)

Magenta (0%)

Yellow (93%)

Black (29%)



Cyan (50%)

Magenta (29%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5863, 0.3662, 0.5432 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 37.5863, 0.3662, 0.5432 by changing the saturation by 10% instead.

 37.5863, 0.3662,
0.5432


 37.5863, 0.3662,
0.5432


335.8420, 0.3492,
0.4314

 25.6618, 0.3653,
0.5695


 71.4736, 0.3635,
0.5030


 16.5708, 0.3606,
0.6009

 94.2052, 0.3613,
0.4876

 9.9289, 0.3533,
0.6467


 121.3078, 0.3591,
0.4746

 5.3519, 0.3214,
0.6786

 153.1660, 0.3569,
0.4634

 2.4552, 0.2710,
0.7290

 190.1642, 0.3547,
0.4537

 0.8541, 0.0000,
1.0000

 232.6866, 0.3528,

 0.0000, 0.0000,

0.4453

0.0000

281.1177, 0.3509,
0.4379

■ 37.5863, 0.3662,
0.5432

■ 37.5863, 0.3662,
0.5432

■ 37.2705, 0.3641,
0.5491

■ 38.1132, 0.3681,
0.5315

■ 38.7176, 0.3675,
0.5149

■ 39.4094, 0.3645,
0.4940

■ 40.1957, 0.3593,
0.4698

■ 41.0826, 0.3523,
0.4434

■ 42.0756, 0.3440,
0.4160

■ 43.1797, 0.3349,
0.3886

■ 44.3997, 0.3254,
0.3621

■ 45.7399, 0.3159,
0.3370

Harmonies

Analogous

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



37.5863, 0.4613, 0.4864



37.5863, 0.3662, 0.5432



37.5863, 0.2637, 0.5156

Triad

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



37.5863, 0.3662, 0.5432



37.5863, 0.1324, 0.1956



37.5863, 0.4502, 0.2640

Complementary

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



37.5863, 0.3662, 0.5432



4.7637, 0.1801, 0.0800

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.



37.5863, 0.3306, 0.2081



37.5863, 0.3662, 0.5432



37.5863, 0.1611, 0.1691

Square

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



37.5863, 0.3662, 0.5432



37.5863, 0.1369, 0.2670



37.5863, 0.2263, 0.1749



37.5863, 0.5270, 0.3324

Rectangle

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



37.5863, 0.3662, 0.5432



37.5863, 0.2039, 0.4384



37.5863, 0.2263, 0.1749



37.5863, 0.4119, 0.2434

Sweetspot

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



37.5880, 0.3662, 0.5432



76.2829, 0.3397, 0.4026



13.6980, 0.5746, 0.3739



16.3099, 0.3435, 0.4143



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.



37.5880, 0.3662, 0.5432



66.6148, 0.3632, 0.5498



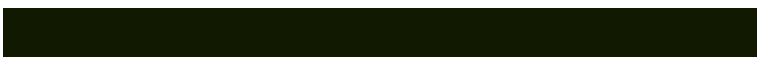
33.5933, 0.3081, 0.5884



9.7677, 0.3216, 0.3518



25.7286, 0.3647, 0.5486



0.8392, 0.3805, 0.5360

Inverse Universe

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



4.7637, 0.1801, 0.0800



7.4731, 0.1714, 0.0718



10.0890, 0.2782, 0.1333



8.3577, 0.3033, 0.3058



2.9516, 0.1740, 0.0732



0.1250, 0.2073, 0.0915

Previews

White Background



This preview shows how the Yxy color 37.5863, 0.3662, 0.5432 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 37.5863, 0.3662, 0.5432 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 37.5863, 0.3662, 0.5432

Background



This preview shows how black text looks on a background with the Yxy color 37.5863, 0.3662, 0.5432.



This preview shows how white text looks on a background with the Yxy color 37.5863, 0.3662, 0.5432.

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

37.5863, 0.3662, 0.5432

Protanopia

37.2246, 0.4397, 0.4891

Deuteranopia

37.1697, 0.4629, 0.4536



Tritanopia

37.3120, 0.2807, 0.3085

Trichromacy



Original Color

37.5863, 0.3662, 0.5432

Protanomaly

37.0271, 0.4117, 0.5100

Deuteranomaly

36.4544, 0.4277, 0.4870

Tritanomaly

36.6465, 0.3245, 0.4128

Monochromacy



Original Color

37.5863, 0.3662, 0.5432

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.1483, 0.3484, 0.4306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5863, 0.3662, 0.5432 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(127, 181, 12)` looks like.

```
.text, #text, p{  
    color:rgb(127, 181, 12)  
}
```

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(127, 181, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 181, 12) }
```

Border

The CSS property to change the border of an element to Yxy 37.5863, 0.3662, 0.5432 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(127, 181, 12) }
```

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

```
.border{ border-color:rgb(127, 181, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 181, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 181, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 181, 12);  
box-shadow:4px 4px 4px 4px rgb(127, 181,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5863, 0.3662, 0.5432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 181, 12) }
```

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

```
.background{ background-color: rgb(127,  
181, 12) }
```

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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