

Converting Colors

$Y_{xy}(37.1397, 0.3143, 0.5887)$

Have a look what the booklet for
Yxy(37.1397, 0.3143, 0.5887)
contains.

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Color

Yxy(37.2650, 0.3142, 0.5888)

Conversions

Conversions Part 1

Format	Color
Hex	39BD00
RGB	57, 189, 0
RGB Percent	22%, 74%, 0%
CMY	0.7763, 0.2588, 1.0000
CMYK	0.70, 0.00, 1.00, 0.26
HSL	102°, 100%, 37%
HSV	102°, 100%, 74%
XYZ	19.8856, 37.2650, 6.1391
YIQ	127.9860, -18.0030, -86.7630

Conversions

Conversions Part 2

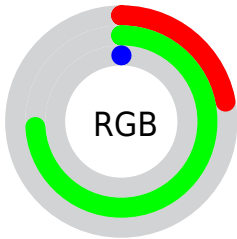
Format	Color
RYB	0, 189, 132
Decimal	3783936
CIELab	67.48, -62.98, 67.23
CIELCh	67, 92.123, 133.130
Yxy	37.2650, 0.3142, 0.5888
Android (android.graphics.Color)	4281974016 (0xFF39BD00)
YUV	127.9860, -63.0971, -62.2547
Hunter-Lab	61.0451, -48.6819, 36.7689

Details

The Yxy color **37.2650, 0.3142, 0.5888** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **8.5769, 0.2457, 0.1127**, and the grayscale version is **21.8137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7467, 0.3230, 0.5359**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.2670, 0.3142, 0.5887**, and if you desaturate by 10%, it is **37.7535, 0.3189, 0.5772**.

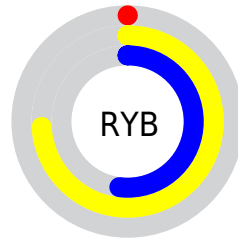
Distribution



Red (22%)

Green (74%)

Blue (0%)



Red (0%)

Yellow (74%)

Blue (52%)

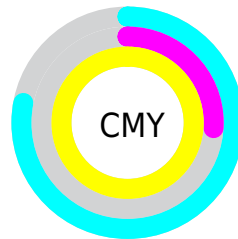


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (78%)


Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2650, 0.3142, 0.5888 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 37.2650, 0.3142, 0.5888 by changing the saturation by 10% instead.

 37.2650, 0.3142,
0.5888


 37.2650, 0.3142,
0.5888


334.4564, 0.3263,
0.4470

 25.4127, 0.3052,
0.6245


 70.9802, 0.3227,
0.5361

 16.3848, 0.2898,
0.6684


 93.6119, 0.3246,
0.5164


 9.7969, 0.2673,
0.7327


 120.6055, 0.3257,
0.5000

 5.2645, 0.2176,
0.7824

 152.3454, 0.3263,
0.4860

 2.4033, 0.1114,
0.8886

 189.2161, 0.3265,
0.4741

 0.8276, 0.0000,
1.0000

 231.6019, 0.3266,

 0.0000, 0.0000,

0.4638

0.0000

279.8872, 0.3265,
0.4549

■ 37.2650, 0.3142,
0.5888

■ 37.2650, 0.3142,
0.5888

■ 37.2670, 0.3142,
0.5887

■ 37.7535, 0.3189,
0.5772

■ 38.3933, 0.3229,
0.5596

■ 39.2094, 0.3255,
0.5358

■ 40.2159, 0.3267,
0.5073

■ 41.4256, 0.3264,
0.4759

■ 42.8497, 0.3250,
0.4436

■ 44.4986, 0.3226,
0.4119

■ 46.3822, 0.3196,
0.3818

■ 48.5096, 0.3162,
0.3541

Harmonies

Analogous

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



37.2650, 0.4287, 0.5399



37.2650, 0.3142, 0.5888



37.2650, 0.2048, 0.5008

Triad

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



37.2650, 0.3142, 0.5888



37.2650, 0.1193, 0.1582



37.2650, 0.5246, 0.2830

Complementary

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



37.2650, 0.3142, 0.5888



8.5769, 0.2457, 0.1127

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.



37.2650, 0.3945, 0.2151



37.2650, 0.3142, 0.5888



37.2650, 0.1660, 0.1474

Square

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



37.2650, 0.3142, 0.5888



37.2650, 0.1077, 0.2107



37.2650, 0.2578, 0.1672



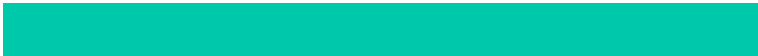
37.2650, 0.5710, 0.3594

Rectangle

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



37.2650, 0.3142, 0.5888



37.2650, 0.1508, 0.3848



37.2650, 0.2578, 0.1672



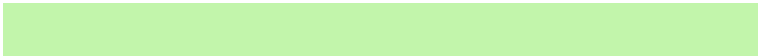
37.2650, 0.4874, 0.2590

Sweetspot

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



37.2670, 0.3142, 0.5887



79.5442, 0.3227, 0.4134



26.5595, 0.4889, 0.4500



16.8289, 0.3238, 0.4266



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.2670, 0.3142, 0.5887



66.6348, 0.3132, 0.5895



36.5153, 0.2952, 0.5829



10.7855, 0.3160, 0.3524



25.1092, 0.3150, 0.5881



1.0188, 0.3345, 0.5726

Inverse Universe

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



8.5769, 0.2457, 0.1127



15.2297, 0.2446, 0.1121



13.1639, 0.3736, 0.1832



9.5479, 0.3091, 0.3061



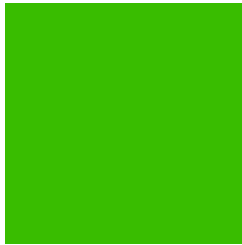
5.8120, 0.2467, 0.1133



0.2603, 0.2651, 0.1234

Previews

White Background



This preview shows how the Yxy color 37.2650, 0.3142, 0.5888 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 37.2650, 0.3142, 0.5888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

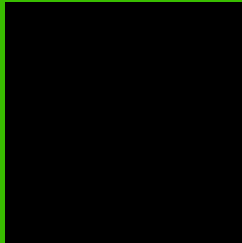
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2650, 0.3142, 0.5888

Background



This preview shows how black text looks on a background with the Yxy color 37.2650, 0.3142, 0.5888.



This preview shows how white text looks on a background with the Yxy color 37.2650, 0.3142, 0.5888.

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

37.2650, 0.3142, 0.5888

Protanopia

36.3847, 0.4409, 0.4881

Deuteranopia

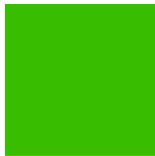
36.5750, 0.4605, 0.4518



Tritanopia

37.2013, 0.2440, 0.3072

Trichromacy



Original Color

37.2650, 0.3142, 0.5888



Protanomaly

34.9083, 0.3850, 0.5325



Deuteranomaly

34.2869, 0.3983, 0.5104



Tritanomaly

36.1776, 0.2802, 0.4339

Monochromacy



Original Color

37.2650, 0.3142, 0.5888



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.2316, 0.3260, 0.4603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2650, 0.3142, 0.5888 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(57, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 189, 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(57, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.2650, 0.3142, 0.5888 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(57, 189, 0) }
```

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

```
.border{ border-color:rgb(57, 189, 0) }
```

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

Here you see how a box with a 4 pixel rgb(57, 189, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(57, 189, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.2650, 0.3142, 0.5888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 189, 0) }
```

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

```
.background{ background-color: rgb(57, 189,  
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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