

Converting Colors

$Y_{xy}(33.7129, 0.2893, 0.5615)$

Have a look what the booklet for
Yxy(33.7129, 0.2893, 0.5615)
contains.

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Color

Yxy(33.7129, 0.2893, 0.5615)

Conversions

Conversions Part 1

Format	Color
Hex	00B635
RGB	0, 182, 53
RGB Percent	0%, 71%, 21%
CMY	1.0000, 0.2863, 0.7922
CMYK	1.00, 0.00, 0.71, 0.29
HSL	137°, 100%, 36%
HSV	137°, 100%, 71%
XYZ	17.3698, 33.7129, 8.9581
YIQ	112.8760, -67.0630, -78.7030

Conversions

Conversions Part 2

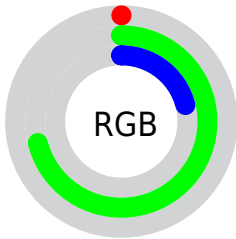
Format	Color
RYB	0, 141, 182
Decimal	46645
CIELab	64.73, -64.25, 52.21
CIELCh	65, 82.790, 140.902
Yxy	33.7129, 0.2893, 0.5615
Android (android.graphics.Color)	4278236725 (0xFF00B635)
YUV	112.8760, -29.5189, -98.9923
Hunter-Lab	58.0628, -48.2107, 31.4965

Details

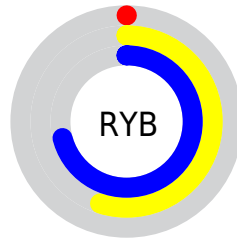
The Yxy color **33.7129, 0.2893, 0.5615** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.5310, 0.4112, 0.2039**, and the grayscale version is **16.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3359, 0.2997, 0.5093**, and **15.1787, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.7146, 0.2893, 0.5615**, and if you desaturate by 10%, it is **33.9802, 0.2865, 0.5420**.

Distribution



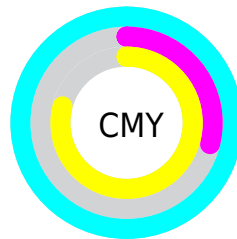
- Red (0%)
- Green (71%)
- Blue (21%)



- Red (0%)
- Yellow (55%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7129, 0.2893, 0.5615 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 33.7129, 0.2893, 0.5615 by changing the saturation by 10% instead.


 33.7129, 0.2893,
0.5615


 33.7129, 0.2893,
0.5615


318.8500, 0.3103,
0.4294

 22.6731, 0.2797,
0.5985


 65.4870, 0.2999,
0.5101


 14.3523, 0.2642,
0.6470


 86.9900, 0.3029,
0.4918

 8.3661, 0.2393,
0.7149


 112.7497, 0.3051,
0.4767


 4.3301, 0.1950,
0.8050

 143.1502, 0.3067,
0.4640

 1.8599, 0.0000,
1.0000

 178.5762, 0.3080,
0.4534

 0.5241, 0.0000,
1.0000

 219.4118, 0.3089,

 0.0000, 0.0000,

0.4442

0.0000

266.0416, 0.3097,
0.4363

■ 33.7129, 0.2893,
0.5615

■ 33.7129, 0.2893,
0.5615

■ 33.7146, 0.2893,
0.5615

■ 33.9802, 0.2865,
0.5420

■ 34.4015, 0.2848,
0.5190

■ 35.0260, 0.2846,
0.4935

■ 35.8780, 0.2860,
0.4666

■ 36.9780, 0.2887,
0.4397

■ 38.3441, 0.2925,
0.4137

■ 39.9929, 0.2971,
0.3893

■ 41.9395, 0.3021,
0.3670

■ 44.1977, 0.3074,
0.3469

Harmonies

Analogous

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



33.7129, 0.3994, 0.5483



33.7129, 0.2893, 0.5615



33.7129, 0.1904, 0.4474

Triad

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



33.7129, 0.2893, 0.5615



33.7129, 0.1366, 0.1612



33.7129, 0.5311, 0.3060

Complementary

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



33.7129, 0.2893, 0.5615



11.5310, 0.4112, 0.2039

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.



33.7129, 0.4246, 0.2372



33.7129, 0.2893, 0.5615



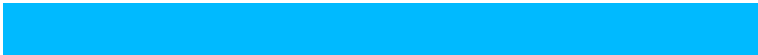
33.7129, 0.1923, 0.1584

Square

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



33.7129, 0.2893, 0.5615



33.7129, 0.1171, 0.2007



33.7129, 0.2920, 0.1848



33.7129, 0.5527, 0.3823

Rectangle

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



33.7129, 0.2893, 0.5615



33.7129, 0.1462, 0.3416



33.7129, 0.2920, 0.1848



33.7129, 0.5033, 0.2820

Sweetspot

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



33.7146, 0.2893, 0.5615



72.3386, 0.2969, 0.3905



38.2381, 0.3701, 0.5443



15.6881, 0.2949, 0.4005



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.



33.7146, 0.2893, 0.5615



61.0855, 0.2901, 0.5642



35.4278, 0.2444, 0.3999



10.1020, 0.3078, 0.3456



23.8179, 0.2887, 0.5595



0.8508, 0.2735, 0.5045

Inverse Universe

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



11.5310, 0.4112, 0.2039



20.8614, 0.4130, 0.2049



10.0950, 0.6027, 0.3094



9.1170, 0.3181, 0.3129



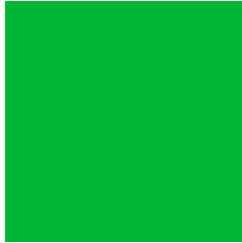
8.1546, 0.4099, 0.2032



0.2977, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 33.7129, 0.2893, 0.5615 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 33.7129, 0.2893, 0.5615 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

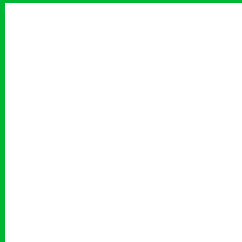
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7129, 0.2893, 0.5615

Background



This preview shows how black text looks on a background with the Yxy color 33.7129, 0.2893, 0.5615.



This preview shows how white text looks on a background with the Yxy color 33.7129, 0.2893, 0.5615.

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

33.7129, 0.2893, 0.5615

Protanopia

33.0882, 0.4262, 0.4691

Deuteranopia

33.0308, 0.4422, 0.4322



Tritanopia

33.6660, 0.2350, 0.3061

Trichromacy



Original Color

33.7129, 0.2893, 0.5615



Protanomaly

30.5115, 0.3498, 0.5190



Deuteranomaly

29.6895, 0.3580, 0.4925



Tritanomaly

32.6540, 0.2534, 0.3987

Monochromacy



Original Color

33.7129, 0.2893, 0.5615



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

20.3100, 0.2901, 0.4316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7129, 0.2893, 0.5615 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(0, 182, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 53)  
}
```

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(0, 182, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 53) }
```

Border

The CSS property to change the border of an element to Yxy 33.7129, 0.2893, 0.5615 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(0, 182, 53) }
```

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

```
.border{ border-color:rgb(0, 182, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 182, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.7129, 0.2893, 0.5615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 53) }
```

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

```
.background{ background-color: rgb(0, 182,  
53) }
```

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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