

Converting Colors

$Y_{xy}(32.7835, 0.2980, 0.5929)$

Have a look what the booklet for
Yxy(32.7835, 0.2980, 0.5929)
contains.

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Color

Yxy(32.6862, 0.2980, 0.5929)

Conversions

Conversions Part 1

Format	Color
Hex	00B412
RGB	0, 180, 18
RGB Percent	0%, 71%, 7%
CMY	1.0000, 0.2941, 0.9294
CMYK	1.00, 0.00, 0.90, 0.29
HSL	126°, 100%, 35%
HSV	126°, 100%, 71%
XYZ	16.4286, 32.6862, 6.0146
YIQ	107.7120, -55.2780, -88.5420

Conversions

Conversions Part 2

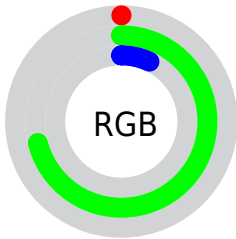
Format	Color
RYB	0, 164, 180
Decimal	46098
CIELab	63.91, -65.90, 61.60
CIELCh	64, 90.209, 136.933
Yxy	32.6862, 0.2980, 0.5929
Android (android.graphics.Color)	4278236178 (0xFF00B412)
YUV	107.7120, -44.2280, -94.4634
Hunter-Lab	57.1718, -48.7581, 33.7828

Details

The Yxy color **32.6862, 0.2980, 0.5929** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.3132, 0.3477, 0.1689**, and the grayscale version is **15.0500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7742, 0.3097, 0.5361**, and **14.6672, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.6888, 0.2980, 0.5929**, and if you desaturate by 10%, it is **32.8903, 0.2972, 0.5797**.

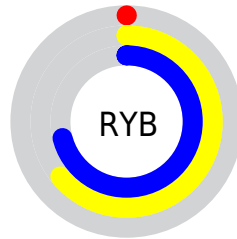
Distribution



Red (0%)

Green (71%)

Blue (7%)



Red (0%)

Yellow (64%)

Blue (71%)

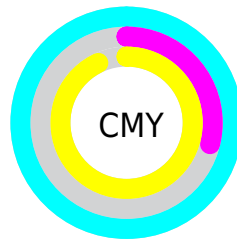


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (29%)



Cyan (100%)


Magenta (29%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6862, 0.2980, 0.5929 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 32.6862, 0.2980, 0.5929 by changing the saturation by 10% instead.

 32.6862, 0.2980,
0.5929


 32.6862, 0.2980,
0.5929


314.2334, 0.3180,
0.4439


 21.8862, 0.2868,
0.6327


 63.8853, 0.3095,
0.5359

 13.7733, 0.2682,
0.6829


 85.0532, 0.3124,
0.5152

 7.9631, 0.2408,
0.7592


 110.4457, 0.3144,
0.4980

 4.0714, 0.1824,
0.8176

 140.4474, 0.3157,
0.4836

 1.7136, 0.0000,
1.0000

 175.4427, 0.3166,
0.4714

 0.4324, 0.0000,
1.0000

 215.8158, 0.3173,

 0.0000, 0.0000,

0.4610

0.0000

261.9512, 0.3177,
0.4519

■ 32.6862, 0.2980,
0.5929

■ 32.6862, 0.2980,
0.5929

■ 32.6888, 0.2980,
0.5929

■ 32.8903, 0.2972,
0.5797

■ 33.2539, 0.2967,
0.5595

■ 33.8299, 0.2970,
0.5331

■ 34.6444, 0.2981,
0.5025

■ 35.7198, 0.2999,
0.4699

■ 37.0760, 0.3021,
0.4373

■ 38.7307, 0.3047,
0.4062

■ 40.7005, 0.3074,
0.3775

■ 43.0004, 0.3101,
0.3518

Harmonies

Analogous

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



32.6862, 0.4148, 0.5537



32.6862, 0.2980, 0.5929



32.6862, 0.1901, 0.4840

Triad

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



32.6862, 0.2980, 0.5929



32.6862, 0.1204, 0.1521



32.6862, 0.5410, 0.2910

Complementary

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



32.6862, 0.2980, 0.5929



12.3132, 0.3477, 0.1689

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.



32.6862, 0.4152, 0.2209



32.6862, 0.2980, 0.5929



32.6862, 0.1725, 0.1456

Square

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



32.6862, 0.2980, 0.5929



32.6862, 0.1043, 0.1982



32.6862, 0.2721, 0.1693



32.6862, 0.5742, 0.3688

Rectangle

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



32.6862, 0.2980, 0.5929



32.6862, 0.1399, 0.3632



32.6862, 0.2721, 0.1693



32.6862, 0.5068, 0.2665

Sweetspot

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



32.6888, 0.2980, 0.5929



70.0538, 0.3046, 0.4078



40.6451, 0.4048, 0.5168



14.8602, 0.3035, 0.4205



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.



32.6888, 0.2980, 0.5929



59.2515, 0.2984, 0.5943



33.6651, 0.2643, 0.4715



9.5034, 0.3103, 0.3501



22.8178, 0.2977, 0.5918



0.7224, 0.2892, 0.5610

Inverse Universe

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



12.3132, 0.3477, 0.1689



22.3049, 0.3482, 0.1692



10.2121, 0.5305, 0.2696



8.6318, 0.3152, 0.3088



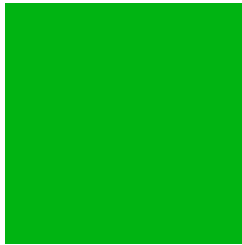
8.5988, 0.3474, 0.1687



0.2748, 0.3391, 0.1642

Previews

White Background



This preview shows how the Yxy color 32.6862, 0.2980, 0.5929 looks on a white background.

Color Contrast Check

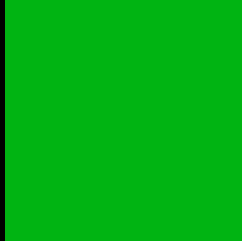
Large Text (above 18pt) WCAG AA × Fail

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 32.6862, 0.2980, 0.5929 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 32.6862, 0.2980, 0.5929

Background



This preview shows how black text looks on a background with the Yxy color 32.6862, 0.2980, 0.5929.



This preview shows how white text looks on a background with the Yxy color 32.6862, 0.2980, 0.5929.

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

32.6862, 0.2980, 0.5929

Protanopia

31.9954, 0.4399, 0.4889

Deuteranopia

32.0624, 0.4578, 0.4490



Tritanopia

32.4695, 0.2360, 0.3058

Trichromacy



Original Color

32.6862, 0.2980, 0.5929



Protanomaly

29.5247, 0.3626, 0.5472



Deuteranomaly

28.7745, 0.3735, 0.5199



Tritanomaly

31.5386, 0.2615, 0.4234

Monochromacy



Original Color

32.6862, 0.2980, 0.5929



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.8234, 0.3008, 0.4623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6862, 0.2980, 0.5929 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, 180, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 18)  
}
```

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, 180, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 18) }
```

Border

The CSS property to change the border of an element to Yxy 32.6862, 0.2980, 0.5929 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, 180, 18) }
```

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

```
.border{ border-color:rgb(0, 180, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 180, 18)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.6862, 0.2980, 0.5929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 18) }
```

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

```
.background{ background-color: rgb(0, 180,  
18) }
```

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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