

Converting Colors

$Y_{xy}(32.1993, 0.2929, 0.5745)$

Have a look what the booklet for
Yxy(32.1993, 0.2929, 0.5745)
contains.

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Color

Yxy(32.4003, 0.2929, 0.5745)

Conversions

Conversions Part 1

Format	Color
Hex	00B329
RGB	0, 179, 41
RGB Percent	0%, 70%, 16%
CMY	1.0000, 0.2980, 0.8393
CMYK	1.00, 0.00, 0.77, 0.30
HSL	134°, 100%, 35%
HSV	134°, 100%, 70%
XYZ	16.5188, 32.4003, 7.4783
YIQ	109.7470, -62.3860, -80.8660

Conversions

Conversions Part 2

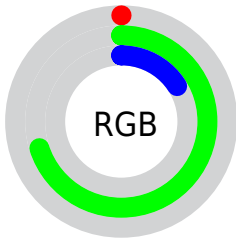
Format	Color
RYB	0, 146, 179
Decimal	45865
CIELab	63.67, -64.39, 55.46
CIELCh	64, 84.979, 139.259
Yxy	32.4003, 0.2929, 0.5745
Android (android.graphics.Color)	4278235945 (0xFF00B329)
YUV	109.7470, -33.8923, -96.2481
Hunter-Lab	56.9213, -47.8107, 32.0554

Details

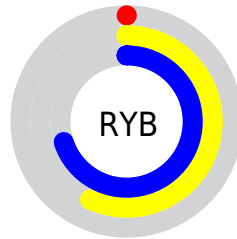
The Yxy color **32.4003, 0.2929, 0.5745** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.4202, 0.3887, 0.1915**, and the grayscale version is **15.6291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3768, 0.3042, 0.5205**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.4024, 0.2929, 0.5745**, and if you desaturate by 10%, it is **32.6438, 0.2906, 0.5562**.

Distribution



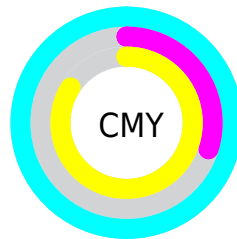
- Red (0%)
- Green (70%)
- Blue (16%)



- Red (0%)
- Yellow (57%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4003, 0.2929, 0.5745 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 32.4003, 0.2929, 0.5745 by changing the saturation by 10% instead.


 32.4003, 0.2929,
0.5745


 32.4003, 0.2929,
0.5745


312.9387, 0.3134,
0.4347


 21.6674, 0.2826,
0.6132


 63.4381, 0.3038,
0.5202


 13.6127, 0.2657,
0.6635


 84.5118, 0.3068,
0.5008


 7.8518, 0.2411,
0.7418

 109.8013, 0.3089,
0.4848

 4.0003, 0.1872,
0.8128

 139.6909, 0.3104,
0.4714

 1.6737, 0.0000,
1.0000

 174.5651, 0.3115,
0.4601

 0.4066, 0.0000,
1.0000

 214.8082, 0.3123,

 0.0000, 0.0000,

0.4504

0.0000

260.8046, 0.3129,
0.4420

■ 32.4003, 0.2929,
0.5745

■ 32.4003, 0.2929,
0.5745

■ 32.4024, 0.2929,
0.5745

■ 32.6438, 0.2906,
0.5562

■ 33.0385, 0.2891,
0.5334

■ 33.6336, 0.2889,
0.5070

■ 34.4529, 0.2901,
0.4785

■ 35.5169, 0.2924,
0.4495

■ 36.8434, 0.2957,
0.4213

■ 38.4487, 0.2996,
0.3947

■ 40.3478, 0.3039,
0.3704

■ 42.5545, 0.3083,
0.3484

Harmonies

Analogous

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



32.4003, 0.4057, 0.5511



32.4003, 0.2929, 0.5745



32.4003, 0.1903, 0.4617

Triad

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



32.4003, 0.2929, 0.5745



32.4003, 0.1299, 0.1575



32.4003, 0.5353, 0.3000

Complementary

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



32.4003, 0.2929, 0.5745



11.4202, 0.3887, 0.1915

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.



32.4003, 0.4211, 0.2306



32.4003, 0.2929, 0.5745



32.4003, 0.1842, 0.1531

Square

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



32.4003, 0.2929, 0.5745



32.4003, 0.1118, 0.1996



32.4003, 0.2840, 0.1785



32.4003, 0.5615, 0.3770

Rectangle

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



32.4003, 0.2929, 0.5745



32.4003, 0.1436, 0.3499



32.4003, 0.2840, 0.1785



32.4003, 0.5049, 0.2758

Sweetspot

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



32.4024, 0.2929, 0.5745



68.6976, 0.2994, 0.3960



37.8372, 0.3816, 0.5352



14.9431, 0.2977, 0.4069



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.



32.4024, 0.2929, 0.5745



57.9995, 0.2936, 0.5769



33.8086, 0.2510, 0.4235



9.5209, 0.3086, 0.3470



22.9039, 0.2924, 0.5727



0.7296, 0.2773, 0.5182

Inverse Universe

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



11.4202, 0.3887, 0.1915



20.4161, 0.3900, 0.1922



9.8209, 0.5815, 0.2977



8.6128, 0.3171, 0.3116



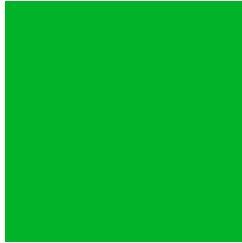
8.0798, 0.3877, 0.1910



0.2624, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 32.4003, 0.2929, 0.5745 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 32.4003, 0.2929, 0.5745 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 32.4003, 0.2929, 0.5745

Background



This preview shows how black text looks on a background with the Yxy color 32.4003, 0.2929, 0.5745.



This preview shows how white text looks on a background with the Yxy color 32.4003, 0.2929, 0.5745.

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

32.4003, 0.2929, 0.5745

Protanopia

31.6686, 0.4316, 0.4764

Deuteranopia

31.6030, 0.4491, 0.4394



Tritanopia

32.3886, 0.2361, 0.3073

Trichromacy



Original Color

32.4003, 0.2929, 0.5745



Protanomaly

29.2254, 0.3547, 0.5300



Deuteranomaly

28.4818, 0.3652, 0.5035



Tritanomaly

31.3151, 0.2565, 0.4078

Monochromacy



Original Color

32.4003, 0.2929, 0.5745



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

19.2859, 0.2932, 0.4408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4003, 0.2929, 0.5745 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, 179, 41)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 41)  
}
```

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, 179, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 41) }
```

Border

The CSS property to change the border of an element to Yxy 32.4003, 0.2929, 0.5745 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, 179, 41) }
```

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

```
.border{ border-color:rgb(0, 179, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 41);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.4003, 0.2929, 0.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 41) }
```

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

```
.background{ background-color: rgb(0, 179,  
41) }
```

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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