

Converting Colors

$Y_{xy}(32.1392, 0.3019, 0.5985)$

Have a look what the booklet for
Yxy(32.1392, 0.3019, 0.5985)
contains.

Yxy(32.3418, 0.3019, 0.5985)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.3418, 0.3019, 0.5985)

Conversions

Conversions Part 1

Format	Color
Hex	0FB300
RGB	15, 179, 0
RGB Percent	6%, 70%, 0%
CMY	0.9421, 0.2980, 1.0000
CMYK	0.92, 0.00, 1.00, 0.30
HSL	115°, 100%, 35%
HSV	115°, 100%, 70%
XYZ	16.3141, 32.3418, 5.3822
YIQ	109.5580, -40.2850, -90.4370

Conversions

Conversions Part 2

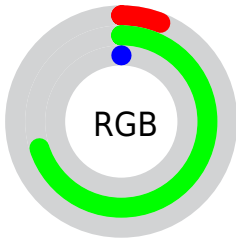
Format	Color
RYB	0, 179, 164
Decimal	1028864
CIELab	63.62, -65.34, 63.88
CIELCh	64, 91.378, 135.644
Yxy	32.3418, 0.3019, 0.5985
Android (android.graphics.Color)	4279218944 (0xFF0FB300)
YUV	109.5580, -54.0121, -82.9274
Hunter-Lab	56.8699, -48.3164, 34.1977

Details

The Yxy color **32.3418, 0.3019, 0.5985** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.1745, 0.3003, 0.1428**, and the grayscale version is **15.6052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2794, 0.3132, 0.5405**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.3431, 0.3019, 0.5985**, and if you desaturate by 10%, it is **32.5811, 0.3035, 0.5886**.

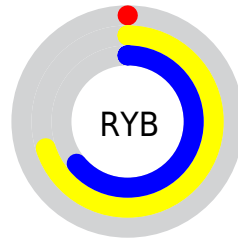
Distribution



Red (6%)

Green (70%)

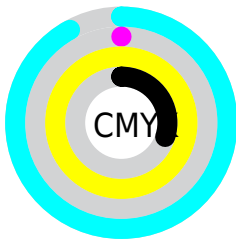
Blue (0%)



Red (0%)

Yellow (70%)

Blue (64%)

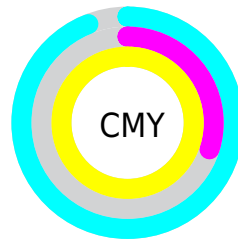


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (94%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3418, 0.3019, 0.5985 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 32.3418, 0.3019, 0.5985 by changing the saturation by 10% instead.

 32.3418, 0.3019,
0.5985


 32.3418, 0.3019,
0.5985


312.6733, 0.3208,
0.4469

 21.6227, 0.2905,
0.6384


 63.3465, 0.3133,
0.5408


 13.5799, 0.2714,
0.6884


 84.4010, 0.3161,
0.5197


 7.8291, 0.2415,
0.7585


 109.6693, 0.3179,
0.5022

 3.9858, 0.1828,
0.8172

 139.5359, 0.3191,
0.4875

 1.6656, 0.0000,
1.0000

 174.3853, 0.3199,
0.4751

 0.4012, 0.0000,
1.0000

 214.6017, 0.3203,

 0.0000, 0.0000,

0.4643

0.0000

260.5696, 0.3206,
0.4550

32.3418, 0.3019,
0.5985

32.3418, 0.3019,
0.5985

32.3431, 0.3019,
0.5985

32.5811, 0.3035,
0.5886

32.9886, 0.3056,
0.5716

33.5982, 0.3076,
0.5469

34.4318, 0.3093,
0.5164

35.5083, 0.3107,
0.4826

■ 36.8449, 0.3117,
0.4478

■ 38.4568, 0.3124,
0.4141

■ 40.3586, 0.3127,
0.3827

■ 42.5633, 0.3128,
0.3543

Harmonies

Analogous

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



32.3418, 0.4198, 0.5523



32.3418, 0.3019, 0.5985



32.3418, 0.1921, 0.4945

Triad

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



32.3418, 0.3019, 0.5985



32.3418, 0.1170, 0.1511



32.3418, 0.5407, 0.2868

Complementary

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



32.3418, 0.3019, 0.5985



11.1745, 0.3003, 0.1428

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.



32.3418, 0.4101, 0.2167



32.3418, 0.3019, 0.5985



32.3418, 0.1676, 0.1432

Square

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



32.3418, 0.3019, 0.5985



32.3418, 0.1022, 0.1995



32.3418, 0.2659, 0.1659



32.3418, 0.5783, 0.3646

Rectangle

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



32.3418, 0.3019, 0.5985



32.3418, 0.1401, 0.3711



32.3418, 0.2659, 0.1659



32.3418, 0.5046, 0.2623

Sweetspot

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



32.3431, 0.3019, 0.5985



68.7094, 0.3123, 0.4158



36.1683, 0.4347, 0.4931



14.9447, 0.3121, 0.4297



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.



32.3431, 0.3019, 0.5985



57.8811, 0.3015, 0.5988



32.7460, 0.2798, 0.5272



9.5225, 0.3128, 0.3524



22.8651, 0.3022, 0.5982



0.7304, 0.3113, 0.5910

Inverse Universe

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



11.1745, 0.3003, 0.1428



19.9635, 0.3000, 0.1426



10.5928, 0.4605, 0.2310



8.6104, 0.3125, 0.3065



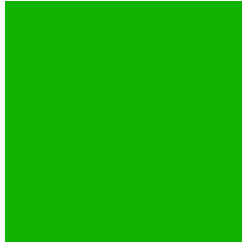
7.9091, 0.3006, 0.1430



0.2593, 0.3066, 0.1463

Previews

White Background



This preview shows how the Yxy color 32.3418, 0.3019, 0.5985 looks on a white background.

Color Contrast Check

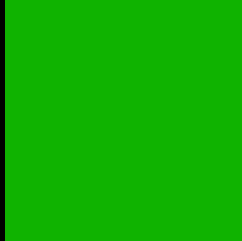
Large Text (above 18pt) WCAG AA × Fail

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 32.3418, 0.3019, 0.5985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

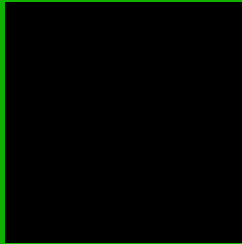
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3418, 0.3019, 0.5985

Background



This preview shows how black text looks on a background with the Yxy color 32.3418, 0.3019, 0.5985.



This preview shows how white text looks on a background with the Yxy color 32.3418, 0.3019, 0.5985.

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

32.3418, 0.3019, 0.5985

Protanopia

31.6667, 0.4411, 0.4880

Deuteranopia

31.6037, 0.4594, 0.4505



Tritanopia

32.1042, 0.2367, 0.3057

Trichromacy



Original Color

32.3418, 0.3019, 0.5985



Protanomaly

29.4855, 0.3694, 0.5449



Deuteranomaly

28.7733, 0.3824, 0.5206



Tritanomaly

31.1479, 0.2681, 0.4353

Monochromacy



Original Color

32.3418, 0.3019, 0.5985



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.9757, 0.3117, 0.4731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3418, 0.3019, 0.5985 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(15, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(15, 179, 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(15, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.3418, 0.3019, 0.5985 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(15, 179, 0) }
```

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

```
.border{ border-color:rgb(15, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(15, 179, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.3418, 0.3019, 0.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 179, 0) }
```

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

```
.background{ background-color: rgb(15, 179,  
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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