

Converting Colors

$Y_{xy}(32.0985, 0.3011, 0.5991)$

Have a look what the booklet for
Yxy(32.0985, 0.3011, 0.5991)
contains.

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Color

Yxy(32.2983, 0.3011, 0.5991)

Conversions

Conversions Part 1

Format	Color
Hex	09B300
RGB	9, 179, 0
RGB Percent	4%, 70%, 0%
CMY	0.9648, 0.2980, 0.9997
CMYK	0.95, 0.00, 1.00, 0.30
HSL	117°, 100%, 35%
HSV	117°, 100%, 70%
XYZ	16.2327, 32.2983, 5.3804
YIQ	107.7640, -43.8610, -91.7090

Conversions

Conversions Part 2

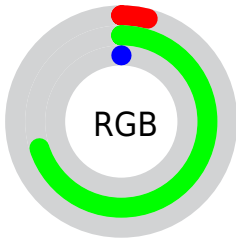
Format	Color
RYB	0, 179, 170
Decimal	635648
CIELab	63.59, -65.65, 63.83
CIELCh	64, 91.562, 135.803
Yxy	32.2983, 0.3011, 0.5991
Android (android.graphics.Color)	4278825728 (0xFF09B300)
YUV	107.7640, -53.1277, -86.6160
Hunter-Lab	56.8316, -48.4706, 34.1690

Details

The Yxy color **32.2983, 0.3011, 0.5991** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.8154, 0.3086, 0.1474**, and the grayscale version is **15.0877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2220, 0.3127, 0.5409**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.2990, 0.3011, 0.5991**, and if you desaturate by 10%, it is **32.5045, 0.3021, 0.5896**.

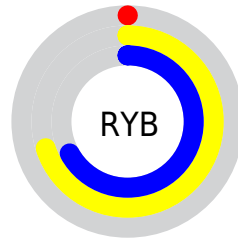
Distribution



Red (4%)

Green (70%)

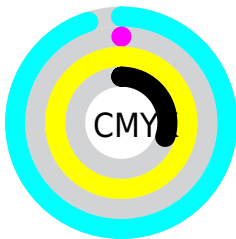
Blue (0%)



Red (0%)

Yellow (70%)

Blue (67%)

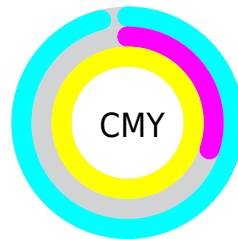


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (96%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2983, 0.3011, 0.5991 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 32.2983, 0.3011, 0.5991 by changing the saturation by 10% instead.


 32.2983, 0.3011,
0.5991


 32.2983, 0.3011,
0.5991


312.4759, 0.3204,
0.4471


 21.5894, 0.2895,
0.6391


 63.2784, 0.3127,
0.5412


 13.5555, 0.2703,
0.6894


 84.3185, 0.3155,
0.5201


 7.8122, 0.2402,
0.7598


 109.5711, 0.3174,
0.5025

 3.9750, 0.1813,
0.8187

 139.4206, 0.3186,
0.4878

 1.6596, 0.0000,
1.0000

 174.2515, 0.3194,
0.4753

 0.3973, 0.0000,
1.0000

 214.4480, 0.3199,

 0.0000, 0.0000,

0.4645

0.0000

260.3947, 0.3202,
0.4552

32.2983, 0.3011,
0.5991

32.2983, 0.3011,
0.5991

32.2990, 0.3011,
0.5991

32.5045, 0.3021,
0.5896

32.8816, 0.3037,
0.5728

33.4665, 0.3054,
0.5482

34.2835, 0.3071,
0.5175

35.3535, 0.3086,
0.4834

■ 36.6949, 0.3099,
0.4484

■ 38.3246, 0.3109,
0.4144

■ 40.2580, 0.3117,
0.3827

■ 42.5095, 0.3123,
0.3542

Harmonies

Analogous

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



32.2983, 0.4192, 0.5531



32.2983, 0.3011, 0.5991



32.2983, 0.1912, 0.4940

Triad

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



32.2983, 0.3011, 0.5991



32.2983, 0.1168, 0.1506



32.2983, 0.5417, 0.2871

Complementary

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



32.2983, 0.3011, 0.5991



11.8154, 0.3086, 0.1474

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.



32.2983, 0.4111, 0.2169



32.2983, 0.3011, 0.5991



32.2983, 0.1677, 0.1430

Square

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



32.2983, 0.3011, 0.5991



32.2983, 0.1019, 0.1988



32.2983, 0.2664, 0.1658



32.2983, 0.5787, 0.3649

Rectangle

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



32.2983, 0.3011, 0.5991



32.2983, 0.1394, 0.3702



32.2983, 0.2664, 0.1658



32.2983, 0.5057, 0.2625

Sweetspot

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



32.2996, 0.3011, 0.5991



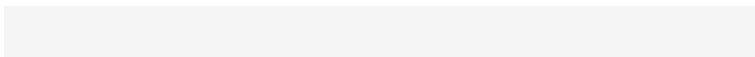
68.4610, 0.3108, 0.4162



38.3552, 0.4283, 0.4981



14.8864, 0.3104, 0.4302



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.



32.2996, 0.3011, 0.5991



57.8162, 0.3008, 0.5994



32.8301, 0.2769, 0.5167



9.5096, 0.3123, 0.3525



22.8315, 0.3013, 0.5989



0.7250, 0.3069, 0.5945

Inverse Universe

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



11.8154, 0.3086, 0.1474



21.1263, 0.3083, 0.1472



10.4769, 0.4743, 0.2387



8.6248, 0.3130, 0.3065



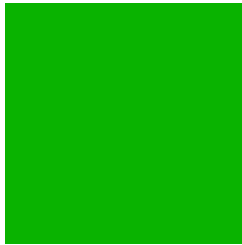
8.3560, 0.3087, 0.1474



0.2694, 0.3123, 0.1494

Previews

White Background



This preview shows how the Yxy color 32.2983, 0.3011, 0.5991 looks on a white background.

Color Contrast Check

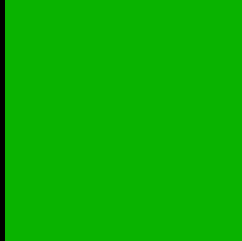
Large Text (above 18pt) WCAG AA × Fail

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 32.2983, 0.3011, 0.5991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

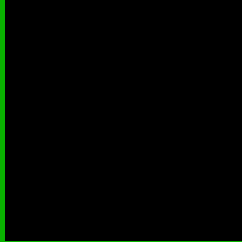
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2983, 0.3011, 0.5991

Background



This preview shows how black text looks on a background with the Yxy color 32.2983, 0.3011, 0.5991.



This preview shows how white text looks on a background with the Yxy color 32.2983, 0.3011, 0.5991.

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

32.2983, 0.3011, 0.5991

Protanopia

31.5531, 0.4400, 0.4888

Deuteranopia

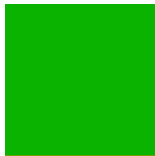
31.6037, 0.4594, 0.4505



Tritanopia

32.0636, 0.2362, 0.3057

Trichromacy



Original Color

32.2983, 0.3011, 0.5991



Protanomaly

29.3514, 0.3674, 0.5465



Deuteranomaly

28.5441, 0.3791, 0.5230



Tritanomaly

31.0674, 0.2668, 0.4357

Monochromacy



Original Color

32.2983, 0.3011, 0.5991



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.8576, 0.3087, 0.4744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2983, 0.3011, 0.5991 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(9, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(9, 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(9, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.2983, 0.3011, 0.5991 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(9, 179, 0) }
```

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

```
.border{ border-color:rgb(9, 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(9, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 179, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 179, 0); box-shadow:4px  
4px 4px 4px rgb(9, 179, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2983, 0.3011, 0.5991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 179, 0) }
```

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

```
.background{ background-color: rgb(9, 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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