

Converting Colors

$Yxy(32.2984, 0.2897, 0.5631)$

Have a look what the booklet for
Yxy(32.2984, 0.2897, 0.5631)
contains.

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Color

Yxy(32.4792, 0.2896, 0.5627)

Conversions

Conversions Part 1

Format	Color
Hex	00B333
RGB	0, 179, 51
RGB Percent	0%, 70%, 20%
CMY	1.0000, 0.2980, 0.7998
CMYK	1.00, 0.00, 0.71, 0.30
HSL	137°, 100%, 35%
HSV	137°, 100%, 70%
XYZ	16.7158, 32.4792, 8.5253
YIQ	110.8870, -65.5960, -77.7560

Conversions

Conversions Part 2

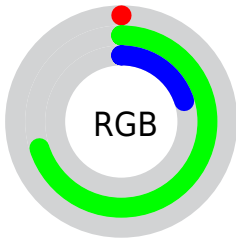
Format	Color
RYB	0, 139, 179
Decimal	45875
CIELab	63.74, -63.56, 51.92
CIELCh	64, 82.068, 140.758
Yxy	32.4792, 0.2896, 0.5627
Android (android.graphics.Color)	4278235955 (0xFF00B333)
YUV	110.8870, -29.5243, -97.2479
Hunter-Lab	56.9905, -47.3779, 31.0241

Details

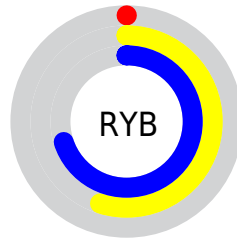
The Yxy color **32.4792, 0.2896, 0.5627** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.1419, 0.4088, 0.2026**, and the grayscale version is **15.9662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4976, 0.3001, 0.5099**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.4824, 0.2896, 0.5627**, and if you desaturate by 10%, it is **32.7389, 0.2869, 0.5433**.

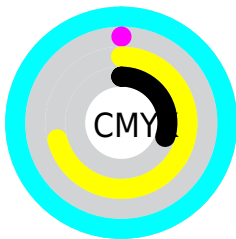
Distribution



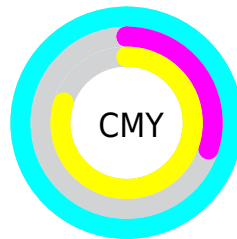
- Red (0%)
- Green (70%)
- Blue (20%)



- Red (0%)
- Yellow (55%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4792, 0.2896, 0.5627 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 32.4792, 0.2896, 0.5627 by changing the saturation by 10% instead.

 32.4792, 0.2896,
0.5627


 32.4792, 0.2896,
0.5627


313.2964, 0.3106,
0.4292


 21.7278, 0.2798,
0.6003


 63.5616, 0.3003,
0.5106


 13.6570, 0.2639,
0.6498


 84.6613, 0.3033,
0.4920


 7.8825, 0.2387,
0.7213


 109.9793, 0.3055,
0.4768

 4.0199, 0.1912,
0.8088

 139.8999, 0.3071,
0.4641

 1.6847, 0.0000,
1.0000

 174.8075, 0.3084,
0.4533

 0.4137, 0.0000,
1.0000

 215.0865, 0.3093,

 0.0000, 0.0000,

0.4441

0.0000

261.1214, 0.3100,
0.4362

■ 32.4792, 0.2896,
0.5627

■ 32.4792, 0.2896,
0.5627

■ 32.4824, 0.2896,
0.5627

■ 32.7389, 0.2869,
0.5433

■ 33.1452, 0.2852,
0.5203

■ 33.7476, 0.2850,
0.4946

■ 34.5693, 0.2864,
0.4676

■ 35.6302, 0.2891,
0.4405

■ 36.9477, 0.2929,
0.4143

■ 38.5376, 0.2974,
0.3897

■ 40.4145, 0.3023,
0.3672

■ 42.5919, 0.3075,
0.3470

Harmonies

Analogous

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



32.4792, 0.3999, 0.5486



32.4792, 0.2896, 0.5627



32.4792, 0.1904, 0.4486

Triad

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



32.4792, 0.2896, 0.5627



32.4792, 0.1360, 0.1609



32.4792, 0.5315, 0.3055

Complementary

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



32.4792, 0.2896, 0.5627



11.1419, 0.4088, 0.2026

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.



32.4792, 0.4243, 0.2366



32.4792, 0.2896, 0.5627



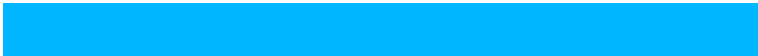
32.4792, 0.1915, 0.1579

Square

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



32.4792, 0.2896, 0.5627



32.4792, 0.1166, 0.2005



32.4792, 0.2913, 0.1842



32.4792, 0.5535, 0.3819

Rectangle

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



32.4792, 0.2896, 0.5627



32.4792, 0.1459, 0.3423



32.4792, 0.2913, 0.1842



32.4792, 0.5035, 0.2815

Sweetspot

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



32.4824, 0.2896, 0.5627



68.8577, 0.2971, 0.3909



36.8545, 0.3702, 0.5443



14.9814, 0.2952, 0.4010



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.



32.4824, 0.2896, 0.5627



58.1368, 0.2904, 0.5654



34.1429, 0.2444, 0.3998



9.5286, 0.3078, 0.3457



22.9616, 0.2891, 0.5606



0.7328, 0.2727, 0.5018

Inverse Universe

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



11.1419, 0.4088, 0.2026



19.9127, 0.4106, 0.2036



9.7296, 0.6024, 0.3092



8.6046, 0.3180, 0.3129



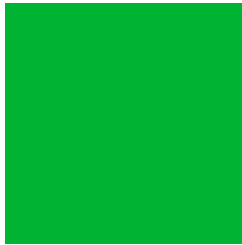
7.8844, 0.4075, 0.2019



0.2575, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 32.4792, 0.2896, 0.5627 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 32.4792, 0.2896, 0.5627 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 32.4792, 0.2896, 0.5627

Background



This preview shows how black text looks on a background with the Yxy color 32.4792, 0.2896, 0.5627.



This preview shows how white text looks on a background with the Yxy color 32.4792, 0.2896, 0.5627.

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

32.4792, 0.2896, 0.5627

Protanopia

32.0637, 0.4260, 0.4706

Deuteranopia

31.8638, 0.4415, 0.4340



Tritanopia

32.3901, 0.2351, 0.3057

Trichromacy



Original Color

32.4792, 0.2896, 0.5627



Protanomaly

29.6508, 0.3498, 0.5208



Deuteranomaly

28.8344, 0.3583, 0.4943



Tritanomaly

31.4279, 0.2531, 0.3979

Monochromacy



Original Color

32.4792, 0.2896, 0.5627



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

19.6692, 0.2907, 0.4330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4792, 0.2896, 0.5627 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 51) }
```

Border

The CSS property to change the border of an element to Yxy 32.4792, 0.2896, 0.5627 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, 51) }
```

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

```
.border{ border-color:rgb(0, 179, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.4792, 0.2896, 0.5627 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, 51) }
```

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

```
.background{ background-color: rgb(0, 179,  
51) }
```

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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