

Converting Colors

$Yxy(32.2634, 0.2902, 0.5648)$

Have a look what the booklet for
Yxy(32.2634, 0.2902, 0.5648)
contains.

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Color

Yxy(32.4620, 0.2903, 0.5653)

Conversions

Conversions Part 1

Format	Color
Hex	00B331
RGB	0, 179, 49
RGB Percent	0%, 70%, 19%
CMY	1.0000, 0.2980, 0.8079
CMYK	1.00, 0.00, 0.73, 0.30
HSL	136°, 100%, 35%
HSV	136°, 100%, 70%
XYZ	16.6703, 32.4620, 8.2921
YIQ	110.6590, -64.9540, -78.3780

Conversions

Conversions Part 2

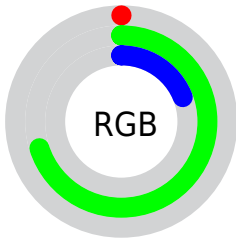
Format	Color
RYB	0, 141, 179
Decimal	45873
CIELab	63.72, -63.75, 52.68
CIELCh	64, 82.702, 140.433
Yxy	32.4620, 0.2903, 0.5653
Android (android.graphics.Color)	4278235953 (0xFF00B331)
YUV	110.6590, -30.3979, -97.0479
Hunter-Lab	56.9754, -47.4801, 31.2539

Details

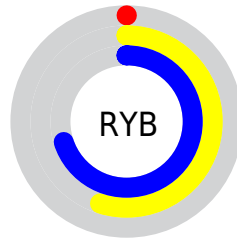
The Yxy color **32.4620, 0.2903, 0.5653** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.1970, 0.4046, 0.2003**, and the grayscale version is **15.8979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4570, 0.3009, 0.5124**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.4662, 0.2904, 0.5653**, and if you desaturate by 10%, it is **32.7199, 0.2877, 0.5460**.

Distribution



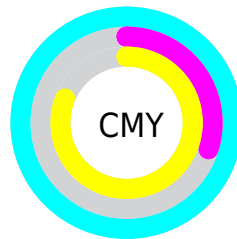
- Red (0%)
- Green (70%)
- Blue (19%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4620, 0.2903, 0.5653 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 32.4620, 0.2903, 0.5653 by changing the saturation by 10% instead.

 32.4620, 0.2903,
0.5653


 32.4620, 0.2903,
0.5653


313.2185, 0.3112,
0.4304

 21.7146, 0.2804,
0.6032


 63.5347, 0.3010,
0.5127

 13.6474, 0.2643,
0.6529


 84.6287, 0.3041,
0.4939


 7.8758, 0.2392,
0.7257


 109.9405, 0.3062,
0.4785

 4.0156, 0.1903,
0.8097

 139.8543, 0.3078,
0.4657

 1.6823, 0.0000,
1.0000

 174.7547, 0.3090,
0.4548

 0.4121, 0.0000,
1.0000

 215.0259, 0.3099,

 0.0000, 0.0000,

0.4455

0.0000

261.0523, 0.3106,
0.4374

■ 32.4620, 0.2903,
0.5653

■ 32.4620, 0.2903,
0.5653

■ 32.4662, 0.2904,
0.5653

■ 32.7199, 0.2877,
0.5460

■ 33.1239, 0.2860,
0.5230

■ 33.7251, 0.2858,
0.4972

■ 34.5466, 0.2872,
0.4698

■ 35.6084, 0.2898,
0.4423

■ 36.9279, 0.2934,
0.4157

■ 38.5212, 0.2978,
0.3908

■ 40.4029, 0.3026,
0.3679

■ 42.5864, 0.3077,
0.3473

Harmonies

Analogous

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



32.4620, 0.4012, 0.5492



32.4620, 0.2903, 0.5653



32.4620, 0.1903, 0.4514

Triad

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



32.4620, 0.2903, 0.5653



32.4620, 0.1347, 0.1601



32.4620, 0.5324, 0.3043

Complementary

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



32.4620, 0.2903, 0.5653



11.1970, 0.4046, 0.2003

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.



32.4620, 0.4237, 0.2353



32.4620, 0.2903, 0.5653



32.4620, 0.1899, 0.1569

Square

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



32.4620, 0.2903, 0.5653



32.4620, 0.1156, 0.2003



32.4620, 0.2898, 0.1830



32.4620, 0.5553, 0.3808

Rectangle

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



32.4620, 0.2903, 0.5653



32.4620, 0.1454, 0.3439



32.4620, 0.2898, 0.1830



32.4620, 0.5038, 0.2803

Sweetspot

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



32.4662, 0.2904, 0.5653



68.8247, 0.2976, 0.3920



37.0917, 0.3730, 0.5420



14.9735, 0.2957, 0.4022



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.



32.4662, 0.2904, 0.5653



58.1060, 0.2911, 0.5679



34.0575, 0.2460, 0.4057



9.5270, 0.3080, 0.3460



22.9488, 0.2898, 0.5633



0.7321, 0.2736, 0.5050

Inverse Universe

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



11.1970, 0.4046, 0.2003



20.0113, 0.4063, 0.2012



9.7505, 0.5976, 0.3066



8.6062, 0.3178, 0.3126



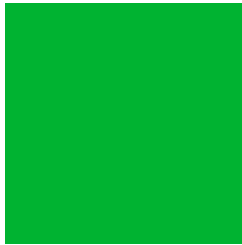
7.9227, 0.4034, 0.1996



0.2585, 0.3757, 0.1843

Previews

White Background



This preview shows how the Yxy color 32.4620, 0.2903, 0.5653 looks on a white background.

Color Contrast Check

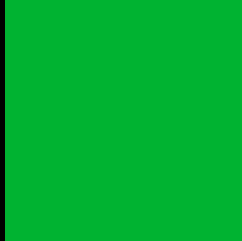
Large Text (above 18pt) WCAG AA × Fail

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 32.4620, 0.2903, 0.5653 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 32.4620, 0.2903, 0.5653

Background



This preview shows how black text looks on a background with the Yxy color 32.4620, 0.2903, 0.5653.



This preview shows how white text looks on a background with the Yxy color 32.4620, 0.2903, 0.5653.

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

32.4620, 0.2903, 0.5653

Protanopia

32.0490, 0.4270, 0.4721

Deuteranopia

31.9819, 0.4432, 0.4344



Tritanopia

32.3901, 0.2351, 0.3057

Trichromacy



Original Color

32.4620, 0.2903, 0.5653



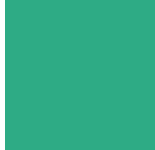
Protanomaly

29.6351, 0.3508, 0.5230



Deuteranomaly

28.8867, 0.3606, 0.4962



Tritanomaly

31.4001, 0.2537, 0.3999

Monochromacy



Original Color

32.4620, 0.2903, 0.5653



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

19.6525, 0.2916, 0.4353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4620, 0.2903, 0.5653 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 49) }
```

Border

The CSS property to change the border of an element to Yxy 32.4620, 0.2903, 0.5653 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, 49) }
```

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

```
.border{ border-color:rgb(0, 179, 49) }
```

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, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.4620, 0.2903, 0.5653 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, 49) }
```

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

```
.background{ background-color: rgb(0, 179,  
49) }
```

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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