

Converting Colors

$Y_{xy}(33.0827, 0.2825, 0.5371)$

Have a look what the booklet for
Yxy(33.0827, 0.2825, 0.5371)
contains.

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Color

Yxy(33.0722, 0.2826, 0.5372)

Conversions

Conversions Part 1

Format	Color
Hex	00B445
RGB	0, 180, 69
RGB Percent	0%, 71%, 27%
CMY	0.9987, 0.2941, 0.7295
CMYK	1.00, 0.00, 0.62, 0.29
HSL	143°, 100%, 35%
HSV	143°, 100%, 71%
XYZ	17.3980, 33.0722, 11.0938
YIQ	113.5260, -71.6490, -72.6810

Conversions

Conversions Part 2

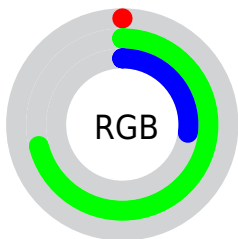
Format	Color
RYB	0, 130, 180
Decimal	46149
CIELab	64.22, -61.88, 44.90
CIELCh	64, 76.451, 144.037
Yxy	33.0722, 0.2826, 0.5372
Android (android.graphics.Color)	4278236229 (0xFF00B445)
YUV	113.5260, -21.9513, -99.5623
Hunter-Lab	57.5084, -46.6382, 28.8184

Details

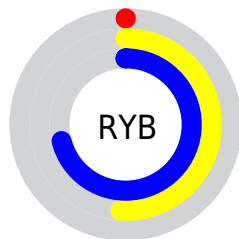
The Yxy color **33.0722, 0.2826, 0.5372** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.8655, 0.4461, 0.2232**, and the grayscale version is **16.7910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4356, 0.2933, 0.4900**, and **14.6963, 0.2971, 0.5895** is the 20% darker color. If you saturate the color by 10%, you get **33.0689, 0.2827, 0.5375**, and if you desaturate by 10%, it is **33.3545, 0.2796, 0.5173**.

Distribution



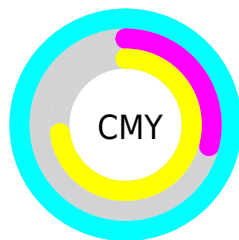
- Red (0%)
- Green (71%)
- Blue (27%)



- Red (0%)
- Yellow (51%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0722, 0.2826, 0.5372 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 33.0722, 0.2826, 0.5372 by changing the saturation by 10% instead.


 33.0722, 0.2826,
0.5372


 33.0722, 0.2826,
0.5372


315.9749, 0.3051,
0.4182


 22.1818, 0.2735,
0.5715


 64.4882, 0.2931,
0.4904

 13.9905, 0.2594,
0.6177


 85.7826, 0.2963,
0.4738

 8.1141, 0.2359,
0.6813


 111.3138, 0.2987,
0.4603

 4.1680, 0.2018,
0.7982

 141.4661, 0.3006,
0.4490

 1.7680, 0.0000,
1.0000

 176.6240, 0.3021,
0.4395

 0.4671, 0.0000,
1.0000

 217.1718, 0.3033,

 0.0000, 0.0000,


0.4314


0.0000

263.4940, 0.3043,
0.4243


 33.0722, 0.2826,
0.5372


 33.0722, 0.2826,
0.5372


 33.0689, 0.2827,
0.5375

 33.3545, 0.2796,
0.5173

 33.7822, 0.2779,
0.4953

 34.4016, 0.2781,
0.4718

 35.2352, 0.2800,
0.4479

 36.3024, 0.2834,
0.4244

■ 37.6202, 0.2881,
0.4019

■ 39.2040, 0.2936,
0.3808

■ 41.0680, 0.2998,
0.3616

■ 43.2252, 0.3062,
0.3442

Harmonies

Analogous

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



33.0722, 0.3874, 0.5410



33.0722, 0.2826, 0.5372



33.0722, 0.1909, 0.4232

Triad

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



33.0722, 0.2826, 0.5372



33.0722, 0.1493, 0.1684



33.0722, 0.5228, 0.3168

Complementary

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



33.0722, 0.2826, 0.5372



10.8655, 0.4461, 0.2232

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.



33.0722, 0.4300, 0.2492



33.0722, 0.2826, 0.5372



33.0722, 0.2072, 0.1683

Square

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



33.0722, 0.2826, 0.5372



33.0722, 0.1271, 0.2029



33.0722, 0.3061, 0.1965



33.0722, 0.5366, 0.3914

Rectangle

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



33.0722, 0.2826, 0.5372



33.0722, 0.1511, 0.3280



33.0722, 0.3061, 0.1965



33.0722, 0.4994, 0.2933

Sweetspot

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



33.0736, 0.2826, 0.5372



70.8704, 0.2932, 0.3822



36.2281, 0.3566, 0.5550



15.0503, 0.2909, 0.3908



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.



33.0736, 0.2826, 0.5372



59.9200, 0.2835, 0.5406



35.0458, 0.2365, 0.3711



9.5420, 0.3066, 0.3434



23.0927, 0.2820, 0.5353



0.7382, 0.2656, 0.4761

Inverse Universe

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



10.8655, 0.4461, 0.2232



19.6371, 0.4491, 0.2248



9.7774, 0.6220, 0.3202



8.5906, 0.3194, 0.3150



7.5901, 0.4445, 0.2222



0.2498, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 33.0722, 0.2826, 0.5372 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 33.0722, 0.2826, 0.5372 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 33.0722, 0.2826, 0.5372

Background



This preview shows how black text looks on a background with the Yxy color 33.0722, 0.2826, 0.5372.



This preview shows how white text looks on a background with the Yxy color 33.0722, 0.2826, 0.5372.

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

33.0722, 0.2826, 0.5372

Protanopia

32.5611, 0.4143, 0.4557

Deuteranopia

32.3791, 0.4276, 0.4185



Tritanopia

33.1311, 0.2348, 0.3075

Trichromacy



Original Color

33.0722, 0.2826, 0.5372



Protanomaly

30.2476, 0.3406, 0.4987



Deuteranomaly

29.3692, 0.3470, 0.4728



Tritanomaly

32.3911, 0.2497, 0.3874

Monochromacy



Original Color

33.0722, 0.2826, 0.5372



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

20.4753, 0.2849, 0.4155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0722, 0.2826, 0.5372 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, 180, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 69)  
}
```

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, 180, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 69) }
```

Border

The CSS property to change the border of an element to Yxy 33.0722, 0.2826, 0.5372 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, 180, 69) }
```

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

```
.border{ border-color:rgb(0, 180, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 180, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.0722, 0.2826, 0.5372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 69) }
```

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

```
.background{ background-color: rgb(0, 180,  
69) }
```

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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