

Converting Colors

$Y_{xy}(33.3106, 0.2626, 0.4655)$

Have a look what the booklet for
Yxy(33.3106, 0.2626, 0.4655)
contains.

Yxy(33.3017, 0.2629, 0.4663)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.3017, 0.2629, 0.4663)

Conversions

Conversions Part 1

Format	Color
Hex	00B36B
RGB	0, 179, 107
RGB Percent	0%, 70%, 42%
CMY	0.9987, 0.2980, 0.5805
CMYK	1.00, 0.00, 0.40, 0.30
HSL	156°, 100%, 35%
HSV	156°, 100%, 70%
XYZ	18.7755, 33.3017, 19.3397
YIQ	117.2710, -83.5720, -60.3400

Conversions

Conversions Part 2

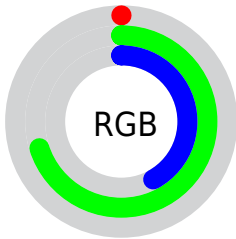
Format	Color
RYB	0, 112, 179
Decimal	45931
CIELab	64.40, -55.37, 26.20
CIELCh	64, 61.261, 154.675
Yxy	33.3017, 0.2629, 0.4663
Android (android.graphics.Color)	4278236011 (0xFF00B36B)
YUV	117.2710, -5.0636, -102.8467
Hunter-Lab	57.7076, -42.9124, 20.5253

Details

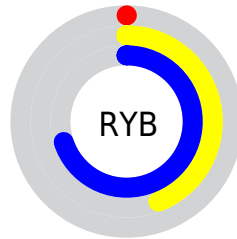
The Yxy color **33.3017, 0.2629, 0.4663** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.0631, 0.5355, 0.2725**, and the grayscale version is **17.9433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8738, 0.2745, 0.4357**, and **14.9727, 0.2741, 0.5069** is the 20% darker color. If you saturate the color by 10%, you get **33.2982, 0.2629, 0.4666**, and if you desaturate by 10%, it is **33.5899, 0.2609, 0.4512**.

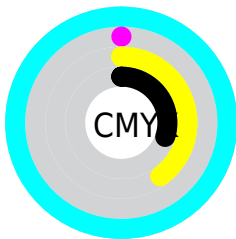
Distribution



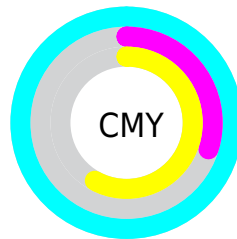
- Red (0%)
- Green (70%)
- Blue (42%)



- Red (0%)
- Yellow (44%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3017, 0.2629, 0.4663 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 33.3017, 0.2629, 0.4663 by changing the saturation by 10% instead.


 33.3017, 0.2629,
0.4663


 33.3017, 0.2629,
0.4663


317.0070, 0.2919,
0.3885

 22.3577, 0.2540,
0.4892


 64.8463, 0.2746,
0.4356


 14.1199, 0.2416,
0.5208


 86.2156, 0.2786,
0.4248

 8.2041, 0.2229,
0.5668


 111.8288, 0.2819,
0.4160

 4.2258, 0.1926,
0.6386

 142.0703, 0.2846,
0.4086

 1.8007, 0.0834,
0.9166

 177.3245, 0.2868,
0.4024

 0.4876, 0.0000,
1.0000

 217.9757, 0.2888,

 0.0000, 0.0000,

0.3971

0.0000

264.4084, 0.2904,
0.3925

■ 33.3017, 0.2629,
0.4663

■ 33.3017, 0.2629,
0.4663

■ 33.2982, 0.2629,
0.4666

■ 33.5899, 0.2609,
0.4512

■ 34.0077, 0.2605,
0.4357

■ 34.5997, 0.2620,
0.4201

■ 35.3876, 0.2655,
0.4047

■ 36.3894, 0.2708,
0.3897

■ 37.6213, 0.2775,
0.3755

■ 39.0977, 0.2853,
0.3622

■ 40.8319, 0.2940,
0.3500

■ 42.8361, 0.3033,
0.3389

Harmonies

Analogous

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



33.3017, 0.3506, 0.5070



33.3017, 0.2629, 0.4663



33.3017, 0.1938, 0.3647

Triad

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



33.3017, 0.2629, 0.4663



33.3017, 0.1891, 0.1906



33.3017, 0.4950, 0.3466

Complementary

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



33.3017, 0.2629, 0.4663



10.0631, 0.5355, 0.2725

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.



33.3017, 0.4391, 0.2839



33.3017, 0.2629, 0.4663



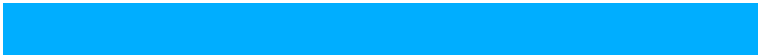
33.3017, 0.2521, 0.1989

Square

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



33.3017, 0.2629, 0.4663



33.3017, 0.1586, 0.2112



33.3017, 0.3438, 0.2319



33.3017, 0.4890, 0.4135

Rectangle

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



33.3017, 0.2629, 0.4663



33.3017, 0.1667, 0.2966



33.3017, 0.3438, 0.2319



33.3017, 0.4830, 0.3250

Sweetspot

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



33.3030, 0.2629, 0.4663



69.8274, 0.2848, 0.3631



33.7274, 0.3263, 0.5790



15.2168, 0.2814, 0.3686



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.



33.3030, 0.2629, 0.4663



59.5911, 0.2636, 0.4690



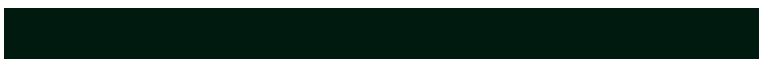
29.8469, 0.2175, 0.3028



9.5724, 0.3038, 0.3383



23.5434, 0.2625, 0.4648



0.7520, 0.2507, 0.4224

Inverse Universe

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



10.0631, 0.5355, 0.2725



17.9642, 0.5401, 0.2749



9.9320, 0.6332, 0.3351



8.5602, 0.3226, 0.3199



7.1166, 0.5330, 0.2710



0.2356, 0.4599, 0.2307

Previews

White Background



This preview shows how the Yxy color 33.3017, 0.2629, 0.4663 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 33.3017, 0.2629, 0.4663 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 33.3017, 0.2629, 0.4663

Background



This preview shows how black text looks on a background with the Yxy color 33.3017, 0.2629, 0.4663.



This preview shows how white text looks on a background with the Yxy color 33.3017, 0.2629, 0.4663.

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

33.3017, 0.2629, 0.4663

Protanopia

32.7408, 0.3827, 0.4144

Deuteranopia

32.7771, 0.3848, 0.3786



Tritanopia

33.3340, 0.2313, 0.3058

Trichromacy



Original Color

33.3017, 0.2629, 0.4663



Protanomaly

30.6786, 0.3135, 0.4410



Deuteranomaly

30.0712, 0.3142, 0.4148



Tritanomaly

32.7589, 0.2396, 0.3590

Monochromacy



Original Color

33.3017, 0.2629, 0.4663



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.4443, 0.2742, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3017, 0.2629, 0.4663 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 107) }
```

Border

The CSS property to change the border of an element to Yxy 33.3017, 0.2629, 0.4663 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, 107) }
```

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

```
.border{ border-color:rgb(0, 179, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3017, 0.2629, 0.4663 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, 107) }
```

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

```
.background{ background-color: rgb(0, 179,  
107) }
```

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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