

Converting Colors

$Y_{xy}(28.1233, 0.1560, 0.5624)$

Have a look what the booklet for
Yxy(28.1233, 0.1560, 0.5624)
contains.

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Color

Yxy(33.3306, 0.2739, 0.5060)

Conversions

Conversions Part 1

Format	Color
Hex	00B457
RGB	0, 180, 87
RGB Percent	0%, 71%, 34%
CMY	0.9997, 0.2941, 0.6588
CMYK	1.00, 0.00, 0.52, 0.29
HSL	149°, 100%, 35%
HSV	149°, 100%, 71%
XYZ	18.0420, 33.3306, 14.4982
YIQ	115.5780, -77.4270, -67.0830

Conversions

Conversions Part 2

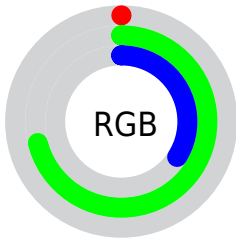
Format	Color
RYB	0, 121, 180
Decimal	46167
CIELab	64.43, -59.32, 36.54
CIELCh	64, 69.668, 148.366
Yxy	33.3306, 0.2739, 0.5060
Android (android.graphics.Color)	4278236247 (0xFF00B457)
YUV	115.5780, -14.0890, -101.3619
Hunter-Lab	57.7327, -45.2492, 25.5236

Details

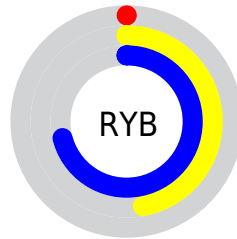
The Yxy color **33.3306, 0.2739, 0.5060** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.4970, 0.4883, 0.2464**, and the grayscale version is **17.3984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8653, 0.2846, 0.4654**, and **15.0616, 0.2871, 0.5537** is the 20% darker color. If you saturate the color by 10%, you get **33.3308, 0.2739, 0.5061**, and if you desaturate by 10%, it is **33.6228, 0.2711, 0.4875**.

Distribution



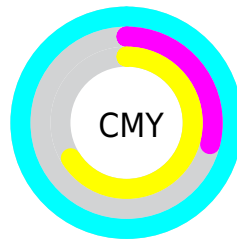
- Red (0%)
- Green (71%)
- Blue (34%)



- Red (0%)
- Yellow (47%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3306, 0.2739, 0.5060 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 33.3306, 0.2739, 0.5060 by changing the saturation by 10% instead.


 33.3306, 0.2739,
0.5060


 33.3306, 0.2739,
0.5060


317.1368, 0.2990,
0.4050


 22.3798, 0.2652,
0.5356


 64.8913, 0.2847,
0.4661


 14.1363, 0.2522,
0.5761


 86.2701, 0.2882,
0.4521

 8.2155, 0.2316,
0.6339


 111.8936, 0.2910,
0.4406

 4.2331, 0.1998,
0.7327

 142.1463, 0.2932,
0.4311

 1.8048, 0.0374,
0.9626

 177.4126, 0.2951,
0.4230

 0.4902, 0.0000,
1.0000

 218.0768, 0.2966,

 0.0000, 0.0000,

0.4161

0.0000

264.5235, 0.2979,
0.4102

■ 33.3306, 0.2739,
0.5060

■ 33.3306, 0.2739,
0.5060

■ 33.3308, 0.2739,
0.5061

■ 33.6228, 0.2711,
0.4875

■ 34.0523, 0.2699,
0.4681

■ 34.6655, 0.2706,
0.4480

■ 35.4848, 0.2731,
0.4279

■ 36.5288, 0.2774,
0.4083

■ 37.8143, 0.2830,
0.3897

■ 39.3561, 0.2896,
0.3723

■ 41.1682, 0.2970,
0.3563

■ 43.2633, 0.3047,
0.3419

Harmonies

Analogous

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



33.3306, 0.3717, 0.5284



33.3306, 0.2739, 0.5060



33.3306, 0.1919, 0.3956

Triad

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



33.3306, 0.2739, 0.5060



33.3306, 0.1661, 0.1778



33.3306, 0.5113, 0.3301

Complementary

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



33.3306, 0.2739, 0.5060



10.4970, 0.4883, 0.2464

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.



33.3306, 0.4352, 0.2644



33.3306, 0.2739, 0.5060



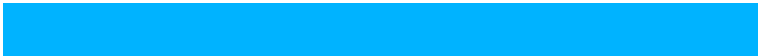
33.3306, 0.2266, 0.1813

Square

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



33.3306, 0.2739, 0.5060



33.3306, 0.1403, 0.2062



33.3306, 0.3232, 0.2117



33.3306, 0.5160, 0.4020

Rectangle

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



33.3306, 0.2739, 0.5060



33.3306, 0.1576, 0.3129



33.3306, 0.3232, 0.2117



33.3306, 0.4931, 0.3073

Sweetspot

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



33.3320, 0.2739, 0.5060



71.1912, 0.2892, 0.3732



35.1324, 0.3414, 0.5671



15.1262, 0.2864, 0.3803



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.



33.3320, 0.2739, 0.5060



60.3876, 0.2747, 0.5090



35.7001, 0.2275, 0.3389



9.5562, 0.3053, 0.3410



23.2757, 0.2733, 0.5039



0.7442, 0.2586, 0.4510

Inverse Universe

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



10.4970, 0.4883, 0.2464



18.9812, 0.4919, 0.2483



9.7185, 0.6364, 0.3280



8.5762, 0.3209, 0.3173



7.3381, 0.4858, 0.2450



0.2426, 0.4281, 0.2132

Previews

White Background



This preview shows how the Yxy color 33.3306, 0.2739, 0.5060 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 33.3306, 0.2739, 0.5060 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 33.3306, 0.2739, 0.5060

Background



This preview shows how black text looks on a background with the Yxy color 33.3306, 0.2739, 0.5060.



This preview shows how white text looks on a background with the Yxy color 33.3306, 0.2739, 0.5060.

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

33.3306, 0.2739, 0.5060

Protanopia

32.6651, 0.4005, 0.4372

Deuteranopia

32.6974, 0.4099, 0.4013



Tritanopia

33.4336, 0.2334, 0.3075

Trichromacy



Original Color

33.3306, 0.2739, 0.5060



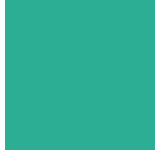
Protanomaly

30.4113, 0.3285, 0.4733



Deuteranomaly

29.9074, 0.3327, 0.4472



Tritanomaly

32.9457, 0.2454, 0.3756

Monochromacy



Original Color

33.3306, 0.2739, 0.5060



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.9410, 0.2799, 0.4013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3306, 0.2739, 0.5060 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, 87)` looks like.

```
.text, #text, p{  
  color:rgb(0, 180, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 87) }
```

Border

The CSS property to change the border of an element to Yxy 33.3306, 0.2739, 0.5060 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, 87) }
```

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

```
.border{ border-color:rgb(0, 180, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 180, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.3306, 0.2739, 0.5060 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, 87) }
```

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

```
.background{ background-color: rgb(0, 180,  
87) }
```

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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