

Converting Colors

$Y_{xy}(32.9927, 0.2656, 0.4763)$

Have a look what the booklet for
Yxy(32.9927, 0.2656, 0.4763)
contains.

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Color

Yxy(33.1995, 0.2656, 0.4762)

Conversions

Conversions Part 1

Format	Color
Hex	00B366
RGB	0, 179, 102
RGB Percent	0%, 70%, 40%
CMY	1.0000, 0.2980, 0.6000
CMYK	1.00, 0.00, 0.43, 0.30
HSL	154°, 100%, 35%
HSV	154°, 100%, 70%
XYZ	18.5170, 33.1995, 18.0011
YIQ	116.7010, -81.9670, -61.8950

Conversions

Conversions Part 2

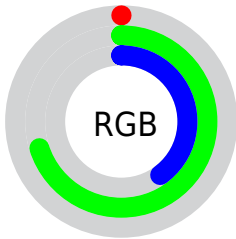
Format	Color
RYB	0, 114, 179
Decimal	45926
CIELab	64.32, -56.36, 28.72
CIELCh	64, 63.256, 152.999
Yxy	33.1995, 0.2656, 0.4762
Android (android.graphics.Color)	4278236006 (0xFF00B366)
YUV	116.7010, -7.2476, -102.3468
Hunter-Lab	57.6190, -43.4688, 21.8102

Details

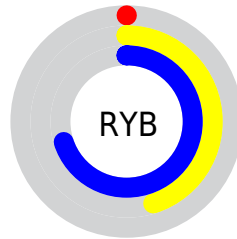
The Yxy color **33.1995, 0.2656, 0.4762** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.1203, 0.5248, 0.2665**, and the grayscale version is **17.7344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7037, 0.2769, 0.4429**, and **14.9336, 0.2770, 0.5170** is the 20% darker color. If you saturate the color by 10%, you get **33.2016, 0.2656, 0.4762**, and if you desaturate by 10%, it is **33.4892, 0.2634, 0.4602**.

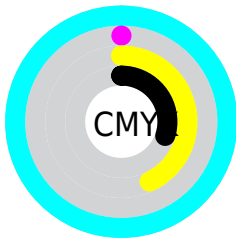
Distribution



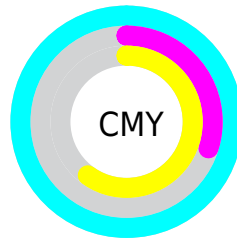
- Red (0%)
- Green (70%)
- Blue (40%)



- Red (0%)
- Yellow (45%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1995, 0.2656, 0.4762 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 33.1995, 0.2656, 0.4762 by changing the saturation by 10% instead.

 33.1995, 0.2656,
0.4762


 33.1995, 0.2656,
0.4762


316.5477, 0.2936,
0.3925

 22.2793, 0.2568,
0.5008


 64.6869, 0.2770,
0.4431


 14.0623, 0.2443,
0.5349


 86.0229, 0.2809,
0.4315

 8.1640, 0.2252,
0.5843


 111.5996, 0.2841,
0.4220

 4.2001, 0.1938,
0.6608

 141.8014, 0.2866,
0.4142

 1.7861, 0.0684,
0.9316

 177.0127, 0.2888,
0.4075

 0.4785, 0.0000,
1.0000

 217.6180, 0.2906,

 0.0000, 0.0000,

0.4018

0.0000

264.0015, 0.2922,
0.3968

■ 33.1995, 0.2656,
0.4762

■ 33.1995, 0.2656,
0.4762

■ 33.2016, 0.2656,
0.4762

■ 33.4892, 0.2634,
0.4602

■ 33.9076, 0.2627,
0.4437

■ 34.5016, 0.2640,
0.4270

■ 35.2927, 0.2673,
0.4104

■ 36.2994, 0.2722,
0.3943

■ 37.5377, 0.2787,
0.3791

■ 39.0222, 0.2862,
0.3648

■ 40.7663, 0.2946,
0.3517

■ 42.7822, 0.3035,
0.3397

Harmonies

Analogous

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



33.1995, 0.3560, 0.5129



33.1995, 0.2656, 0.4762



33.1995, 0.1932, 0.3720

Triad

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



33.1995, 0.2656, 0.4762



33.1995, 0.1832, 0.1873



33.1995, 0.4993, 0.3425

Complementary

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



33.1995, 0.2656, 0.4762



10.1203, 0.5248, 0.2665

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.



33.1995, 0.4385, 0.2790



33.1995, 0.2656, 0.4762



33.1995, 0.2456, 0.1944

Square

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



33.1995, 0.2656, 0.4762



33.1995, 0.1538, 0.2098



33.1995, 0.3388, 0.2267



33.1995, 0.4959, 0.4108

Rectangle

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



33.1995, 0.2656, 0.4762



33.1995, 0.1643, 0.3004



33.1995, 0.3388, 0.2267



33.1995, 0.4858, 0.3206

Sweetspot

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



33.2016, 0.2656, 0.4762



69.7375, 0.2858, 0.3655



33.8439, 0.3282, 0.5776



15.1948, 0.2826, 0.3713



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.



33.2016, 0.2656, 0.4762



59.4134, 0.2663, 0.4788



30.9186, 0.2189, 0.3081



9.5685, 0.3041, 0.3390



23.4735, 0.2651, 0.4743



0.7500, 0.2526, 0.4292

Inverse Universe

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



10.1203, 0.5248, 0.2665



18.0810, 0.5288, 0.2687



9.8457, 0.6351, 0.3340



8.5639, 0.3222, 0.3192



7.1635, 0.5219, 0.2649



0.2372, 0.4522, 0.2265

Previews

White Background



This preview shows how the Yxy color 33.1995, 0.2656, 0.4762 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 33.1995, 0.2656, 0.4762 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 33.1995, 0.2656, 0.4762

Background



This preview shows how black text looks on a background with the Yxy color 33.1995, 0.2656, 0.4762.



This preview shows how white text looks on a background with the Yxy color 33.1995, 0.2656, 0.4762.

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

33.1995, 0.2656, 0.4762

Protanopia

32.6680, 0.3863, 0.4199

Deuteranopia

32.4743, 0.3915, 0.3839



Tritanopia

33.3266, 0.2322, 0.3074

Trichromacy



Original Color

33.1995, 0.2656, 0.4762



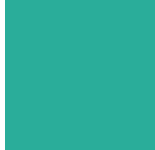
Protanomaly

30.5836, 0.3173, 0.4498



Deuteranomaly

29.6188, 0.3185, 0.4223



Tritanomaly

32.7125, 0.2410, 0.3627

Monochromacy



Original Color

33.1995, 0.2656, 0.4762



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.3819, 0.2742, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1995, 0.2656, 0.4762 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 102) }
```

Border

The CSS property to change the border of an element to Yxy 33.1995, 0.2656, 0.4762 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, 102) }
```

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

```
.border{ border-color:rgb(0, 179, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1995, 0.2656, 0.4762 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, 102) }
```

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

```
.background{ background-color: rgb(0, 179,  
102) }
```

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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