

Converting Colors

$Yxy(34.2126, 0.2614, 0.4612)$

Have a look what the booklet for
Yxy(34.2126, 0.2614, 0.4612)
contains.

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Color

Yxy(34.1954, 0.2613, 0.4608)

Conversions

Conversions Part 1

Format	Color
Hex	00B56F
RGB	0, 181, 111
RGB Percent	0%, 71%, 44%
CMY	1.0000, 0.2902, 0.5646
CMYK	1.00, 0.00, 0.39, 0.29
HSL	157°, 100%, 35%
HSV	157°, 100%, 71%
XYZ	19.3908, 34.1954, 20.6226
YIQ	118.9010, -85.4060, -60.1420

Conversions

Conversions Part 2

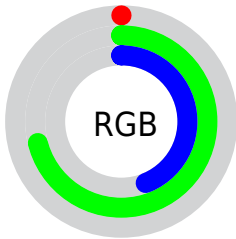
Format	Color
RYB	0, 112, 181
Decimal	46447
CIELab	65.12, -55.30, 25.00
CIELCh	65, 60.688, 155.673
Yxy	34.1954, 0.2613, 0.4608
Android (android.graphics.Color)	4278236527 (0xFF00B56F)
YUV	118.9010, -3.8952, -104.2762
Hunter-Lab	58.4768, -43.1444, 20.0244

Details

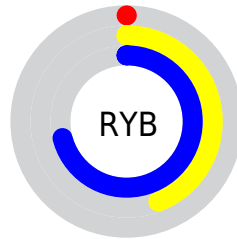
The Yxy color **34.1954, 0.2613, 0.4608** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.2667, 0.5429, 0.2764**, and the grayscale version is **18.4497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2263, 0.2733, 0.4318**, and **15.5265, 0.2720, 0.4993** is the 20% darker color. If you saturate the color by 10%, you get **34.1989, 0.2613, 0.4608**, and if you desaturate by 10%, it is **34.4888, 0.2594, 0.4463**.

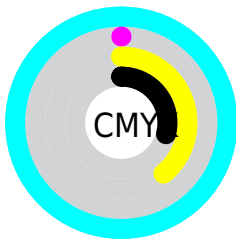
Distribution



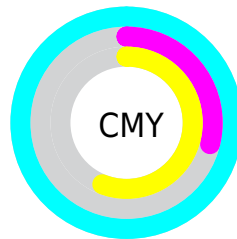
- Red (0%)
- Green (71%)
- Blue (44%)



- Red (0%)
- Yellow (44%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1954, 0.2613, 0.4608 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 34.1954, 0.2613, 0.4608 by changing the saturation by 10% instead.

 34.1954, 0.2613,
0.4608


 34.1954, 0.2613,
0.4608


 321.0025, 0.2908,
0.3865

 23.0438, 0.2525,
0.4825


 66.2374, 0.2730,
0.4316


 14.6258, 0.2402,
0.5123


 87.8966, 0.2771,
0.4213


 8.5572, 0.2219,
0.5557

 113.8270, 0.2805,
0.4129

 4.4535, 0.1929,
0.6231

 144.4132, 0.2832,
0.4059

 1.9303, 0.1072,
0.8597

 180.0394, 0.2856,
0.3999

 0.5665, 0.0000,
1.0000

 221.0901, 0.2876,

 0.0000, 0.0000,

0.3948

0.0000

267.9496, 0.2893,
0.3904

■ 34.1954, 0.2613,
0.4608

■ 34.1954, 0.2613,
0.4608

■ 34.1989, 0.2613,
0.4608

■ 34.4888, 0.2594,
0.4463

■ 34.9106, 0.2591,
0.4314

■ 35.5098, 0.2607,
0.4165

■ 36.3085, 0.2643,
0.4017

■ 37.3255, 0.2697,
0.3874

■ 38.5772, 0.2765,
0.3738

■ 40.0786, 0.2845,
0.3611

■ 41.8432, 0.2934,
0.3493

■ 43.8837, 0.3029,
0.3386

Harmonies

Analogous

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



34.1954, 0.3475, 0.5036



34.1954, 0.2613, 0.4608



34.1954, 0.1941, 0.3606

Triad

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



34.1954, 0.2613, 0.4608



34.1954, 0.1925, 0.1924



34.1954, 0.4927, 0.3490

Complementary

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



34.1954, 0.2613, 0.4608



10.2667, 0.5429, 0.2764

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.



34.1954, 0.4395, 0.2867



34.1954, 0.2613, 0.4608



34.1954, 0.2557, 0.2015

Square

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



34.1954, 0.2613, 0.4608



34.1954, 0.1612, 0.2119



34.1954, 0.3466, 0.2347



34.1954, 0.4852, 0.4150

Rectangle

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



34.1954, 0.2613, 0.4608



34.1954, 0.1680, 0.2945



34.1954, 0.3466, 0.2347



34.1954, 0.4815, 0.3276

Sweetspot

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



34.1989, 0.2613, 0.4608



71.6278, 0.2841, 0.3617



34.4440, 0.3242, 0.5808



15.2304, 0.2807, 0.3669



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.



34.1989, 0.2613, 0.4608



61.1982, 0.2620, 0.4631



29.4977, 0.2159, 0.2973



9.5747, 0.3036, 0.3379



23.5878, 0.2608, 0.4590



0.7532, 0.2495, 0.4183

Inverse Universe

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



10.2667, 0.5429, 0.2764



18.3445, 0.5470, 0.2787



10.2605, 0.6320, 0.3364



8.5579, 0.3228, 0.3202



7.0897, 0.5397, 0.2747



0.2347, 0.4646, 0.2333

Previews

White Background



This preview shows how the Yxy color 34.1954, 0.2613, 0.4608 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 34.1954, 0.2613, 0.4608 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 34.1954, 0.2613, 0.4608

Background



This preview shows how black text looks on a background with the Yxy color 34.1954, 0.2613, 0.4608.



This preview shows how white text looks on a background with the Yxy color 34.1954, 0.2613, 0.4608.

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

34.1954, 0.2613, 0.4608

Protanopia

33.7115, 0.3801, 0.4107

Deuteranopia

33.4350, 0.3823, 0.3739



Tritanopia

34.1740, 0.2310, 0.3061

Trichromacy



Original Color

34.1954, 0.2613, 0.4608



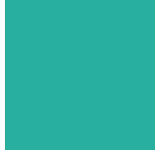
Protanomaly

31.5436, 0.3111, 0.4363



Deuteranomaly

30.5791, 0.3117, 0.4089



Tritanomaly

33.6346, 0.2388, 0.3569

Monochromacy



Original Color

34.1954, 0.2613, 0.4608



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

22.1435, 0.2729, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1954, 0.2613, 0.4608 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, 181, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 111)  
}
```

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, 181, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 111) }
```

Border

The CSS property to change the border of an element to Yxy 34.1954, 0.2613, 0.4608 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, 181, 111) }
```

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

```
.border{ border-color:rgb(0, 181, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 181, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 181, 111); box-shadow:4px 4px 4px 4px rgb(0, 181, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1954, 0.2613, 0.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 111) }
```

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

```
.background{ background-color: rgb(0, 181,  
111) }
```

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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