

Converting Colors

Yxy(33.5669, 0.3211, 0.5813)

Have a look what the booklet for
Yxy(33.5669, 0.3211, 0.5813)
contains.

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Color

Yxy(33.4444, 0.3209, 0.5813)

Conversions

Conversions Part 1

Format	Color
Hex	43B305
RGB	67, 179, 5
RGB Percent	26%, 70%, 2%
CMY	0.7372, 0.2980, 0.9802
CMYK	0.63, 0.00, 0.97, 0.30
HSL	99°, 95%, 36%
HSV	99°, 97%, 70%
XYZ	18.4626, 33.4444, 5.6268
YIQ	125.6760, -10.8980, -77.8580

Conversions

Conversions Part 2

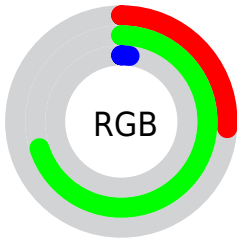
Format	Color
RYB	5, 179, 117
Decimal	4436741
CIELab	64.52, -57.49, 64.33
CIELCh	65, 86.279, 131.788
Yxy	33.4444, 0.3209, 0.5813
Android (android.graphics.Color)	4282626821 (0xFF43B305)
YUV	125.6760, -59.4933, -51.4589
Hunter-Lab	57.8311, -44.2183, 34.7130

Details

The Yxy color **33.4444, 0.3209, 0.5813** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.1495, 0.2357, 0.1085**, and the grayscale version is **20.9598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2081, 0.3279, 0.5289**, and **14.6672, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.3231, 0.3196, 0.5845**, and if you desaturate by 10%, it is **33.9451, 0.3258, 0.5682**.

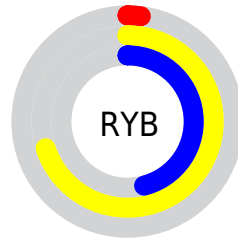
Distribution



Red (26%)

Green (70%)

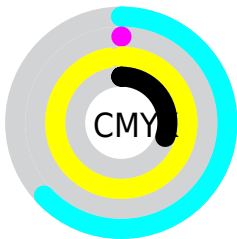
Blue (2%)



Red (2%)

Yellow (70%)

Blue (46%)

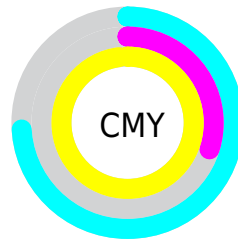


Cyan (63%)

Magenta (0%)

Yellow (97%)

Black (30%)



Cyan (74%)

Magenta (30%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4444, 0.3209, 0.5813 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 33.4444, 0.3209, 0.5813 by changing the saturation by 10% instead.


 33.4444, 0.3209,
0.5813


 33.4444, 0.3209,
0.5813


317.6475, 0.3289,
0.4418


 22.4671, 0.3127,
0.6171


 65.0687, 0.3279,
0.5289

 14.2005, 0.2979,
0.6616


 86.4845, 0.3292,
0.5095

 8.2603, 0.2748,
0.7252


 112.1487, 0.3298,
0.4934

 4.2619, 0.2229,
0.7771

 142.4455, 0.3300,
0.4798

 1.8211, 0.0638,
0.9362

 177.7594, 0.3299,
0.4681

 0.5003, 0.0000,
1.0000

 218.4747, 0.3296,

 0.0000, 0.0000,

0.4581

0.0000

264.9760, 0.3293,
0.4494

■ 33.4444, 0.3209,
0.5813

■ 33.4444, 0.3209,
0.5813

■ 33.3231, 0.3196,
0.5845

■ 33.9451, 0.3258,
0.5682

■ 34.5767, 0.3293,
0.5490

■ 35.3547, 0.3312,
0.5242

■ 36.2898, 0.3314,
0.4955

■ 37.3915, 0.3301,
0.4645

■ 38.6683, 0.3275,
0.4330

■ 40.1284, 0.3241,
0.4023

■ 41.7791, 0.3201,
0.3734

■ 43.6275, 0.3159,
0.3466

Harmonies

Analogous

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



33.4444, 0.4328, 0.5324



33.4444, 0.3209, 0.5813



33.4444, 0.2125, 0.5017

Triad

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



33.4444, 0.3209, 0.5813



33.4444, 0.1217, 0.1633



33.4444, 0.5144, 0.2816

Complementary

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



33.4444, 0.3209, 0.5813



7.1495, 0.2357, 0.1085

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.



33.4444, 0.3861, 0.2151



33.4444, 0.3209, 0.5813



33.4444, 0.1663, 0.1508

Square

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



33.4444, 0.3209, 0.5813



33.4444, 0.1119, 0.2177



33.4444, 0.2544, 0.1690



33.4444, 0.5650, 0.3569

Rectangle

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



33.4444, 0.3209, 0.5813



33.4444, 0.1578, 0.3911



33.4444, 0.2544, 0.1690



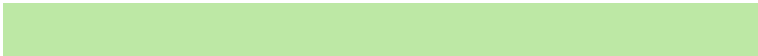
33.4444, 0.4772, 0.2580

Sweetspot

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



33.4458, 0.3209, 0.5813



71.2326, 0.3250, 0.4093



21.9067, 0.4980, 0.4403



15.5352, 0.3264, 0.4222



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.



33.4458, 0.3209, 0.5813



59.5644, 0.3185, 0.5853



32.3589, 0.2968, 0.5857



9.6324, 0.3168, 0.3522



23.5804, 0.3204, 0.5838



0.7754, 0.3440, 0.5651

Inverse Universe

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



7.1495, 0.2357, 0.1085



12.2565, 0.2319, 0.1051



12.0875, 0.3563, 0.1749



8.4923, 0.3083, 0.3062



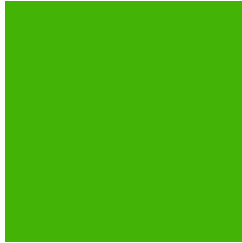
4.9249, 0.2342, 0.1064



0.1862, 0.2591, 0.1201

Previews

White Background



This preview shows how the Yxy color 33.4444, 0.3209, 0.5813 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 33.4444, 0.3209, 0.5813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

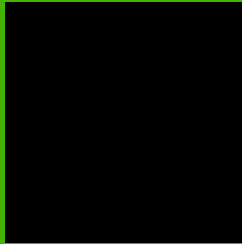
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4444, 0.3209, 0.5813

Background



This preview shows how black text looks on a background with the Yxy color 33.4444, 0.3209, 0.5813.



This preview shows how white text looks on a background with the Yxy color 33.4444, 0.3209, 0.5813.

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

33.4444, 0.3209, 0.5813

Protanopia

32.8909, 0.4397, 0.4891

Deuteranopia

32.6095, 0.4606, 0.4512



Tritanopia

33.1644, 0.2486, 0.3064

Trichromacy



Original Color

33.4444, 0.3209, 0.5813



Protanomaly

31.7895, 0.3894, 0.5282



Deuteranomaly

31.1668, 0.4022, 0.5055



Tritanomaly

32.4130, 0.2860, 0.4282

Monochromacy



Original Color

33.4444, 0.3209, 0.5813



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.8633, 0.3297, 0.4502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4444, 0.3209, 0.5813 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(67, 179, 5)` looks like.

```
.text, #text, p{  
    color:rgb(67, 179, 5)  
}
```

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(67, 179, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 179, 5) }
```

Border

The CSS property to change the border of an element to Yxy 33.4444, 0.3209, 0.5813 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(67, 179, 5) }
```

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

```
.border{ border-color:rgb(67, 179, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 179, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 179, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 179, 5);  
box-shadow:4px 4px 4px 4px rgb(67, 179, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 33.4444, 0.3209, 0.5813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 179, 5) }
```

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

```
.background{ background-color: rgb(67, 179,  
5) }
```

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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