

Converting Colors

Yxy(32.3839, 0.3176, 0.5660)

Have a look what the booklet for
Yxy(32.3839, 0.3176, 0.5660)
contains.

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Color

Yxy(32.3839, 0.3176, 0.5660)

Conversions

Conversions Part 1

Format	Color
Hex	44B020
RGB	68, 176, 32
RGB Percent	27%, 69%, 13%
CMY	0.7332, 0.3098, 0.8745
CMYK	0.61, 0.00, 0.82, 0.31
HSL	105°, 69%, 41%
HSV	105°, 82%, 69%
XYZ	18.1716, 32.3839, 6.6599
YIQ	127.2920, -18.1440, -67.6800

Conversions

Conversions Part 2

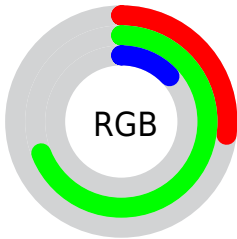
Format	Color
RYB	32, 176, 140
Decimal	4501536
CIELab	63.66, -55.32, 58.54
CIELCh	64, 80.542, 133.377
Yxy	32.3839, 0.3176, 0.5660
Android (android.graphics.Color)	4282691616 (0xFF44B020)
YUV	127.2920, -46.9790, -51.9991
Hunter-Lab	56.9069, -42.5880, 32.8960

Details

The Yxy color **32.3839, 0.3176, 0.5660** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.7422, 0.2705, 0.1375**, and the grayscale version is **21.5026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6831, 0.3240, 0.5153**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.8912, 0.3137, 0.5825**, and if you desaturate by 10%, it is **33.0373, 0.3205, 0.5428**.

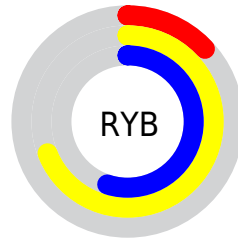
Distribution



Red (27%)

Green (69%)

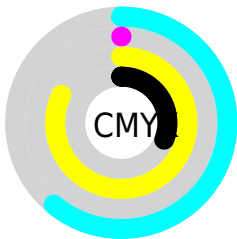
Blue (13%)



Red (13%)

Yellow (69%)

Blue (55%)

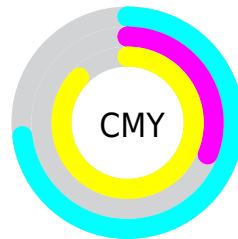


Cyan (61%)

Magenta (0%)

Yellow (82%)

Black (31%)



Cyan (73%)


Magenta (31%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3839, 0.3176, 0.5660 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 32.3839, 0.3176, 0.5660 by changing the saturation by 10% instead.


 32.3839, 0.3176,
0.5660


 32.3839, 0.3176,
0.5660


312.8643, 0.3253,
0.4333


 21.6549, 0.3103,
0.6015


 63.4124, 0.3239,
0.5153

 13.6035, 0.2971,
0.6465


 84.4808, 0.3251,
0.4969


 7.8454, 0.2793,
0.7207


 109.7643, 0.3257,
0.4816

 3.9962, 0.2273,
0.7727

 139.6475, 0.3259,
0.4688

 1.6714, 0.0494,
0.9506

 174.5147, 0.3259,
0.4579

 0.4051, 0.0000,
1.0000

 214.7503, 0.3258,

 0.0000, 0.0000,

0.4485

0.0000

260.7387, 0.3256,
0.4404

■ 32.3839, 0.3176,
0.5660

■ 32.3839, 0.3176,
0.5660

■ 31.8912, 0.3137,
0.5825

■ 33.0373, 0.3205,
0.5428

■ 31.5869, 0.3104,
0.5918

■ 33.8609, 0.3221,
0.5144

■ 34.8683, 0.3226,
0.4828

■ 36.0704, 0.3219,
0.4500

■ 37.4770, 0.3205,
0.4177

■ 39.0976, 0.3184,
0.3871

■ 40.9408, 0.3159,
0.3589

■ 43.0147, 0.3132,
0.3333

■ 45.3272, 0.3105,
0.3106

Harmonies

Analogous

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



32.3839, 0.4253, 0.5290



32.3839, 0.3176, 0.5660



32.3839, 0.2139, 0.4830

Triad

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



32.3839, 0.3176, 0.5660



32.3839, 0.1303, 0.1689



32.3839, 0.5084, 0.2887

Complementary

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



32.3839, 0.3176, 0.5660



9.7422, 0.2705, 0.1375

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.



32.3839, 0.3898, 0.2232



32.3839, 0.3176, 0.5660



32.3839, 0.1759, 0.1579

Square

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



32.3839, 0.3176, 0.5660



32.3839, 0.1193, 0.2199



32.3839, 0.2635, 0.1771



32.3839, 0.5530, 0.3628

Rectangle

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



32.3839, 0.3176, 0.5660



32.3839, 0.1622, 0.3799



32.3839, 0.2635, 0.1771



32.3839, 0.4744, 0.2655

Sweetspot

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



32.3853, 0.3176, 0.5660



69.7981, 0.3192, 0.3979



27.3980, 0.4547, 0.4580



14.9092, 0.3199, 0.4085



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.3853, 0.3176, 0.5660



57.3132, 0.3102, 0.5907



31.7469, 0.2889, 0.5366



9.5894, 0.3152, 0.3523



23.1997, 0.3110, 0.5913



0.7580, 0.3322, 0.5745

Inverse Universe

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



9.7422, 0.2705, 0.1375



14.6963, 0.2588, 0.1205



12.2290, 0.3737, 0.1958



8.5376, 0.3099, 0.3063



5.9263, 0.2592, 0.1202



0.2120, 0.2773, 0.1301

Previews

White Background



This preview shows how the Yxy color 32.3839, 0.3176, 0.5660 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 32.3839, 0.3176, 0.5660 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 32.3839, 0.3176, 0.5660

Background



This preview shows how black text looks on a background with the Yxy color 32.3839, 0.3176, 0.5660.



This preview shows how white text looks on a background with the Yxy color 32.3839, 0.3176, 0.5660.

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

32.3839, 0.3176, 0.5660

Protanopia

31.6277, 0.4346, 0.4807

Deuteranopia

31.6707, 0.4546, 0.4444



Tritanopia

32.2666, 0.2493, 0.3077

Trichromacy



Original Color

32.3839, 0.3176, 0.5660



Protanomaly

30.6419, 0.3846, 0.5173



Deuteranomaly

30.1471, 0.3976, 0.4925



Tritanomaly

31.4389, 0.2792, 0.4087

Monochromacy



Original Color

32.3839, 0.3176, 0.5660



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.0877, 0.3219, 0.4308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3839, 0.3176, 0.5660 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(68, 176, 32)` looks like.

```
.text, #text, p{  
    color:rgb(68, 176, 32)  
}
```

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(68, 176, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 176, 32) }
```

Border

The CSS property to change the border of an element to Yxy 32.3839, 0.3176, 0.5660 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(68, 176, 32) }
```

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

```
.border{ border-color:rgb(68, 176, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 176, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 176, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 176, 32);  
box-shadow:4px 4px 4px 4px rgb(68, 176,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3839, 0.3176, 0.5660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 176, 32) }
```

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

```
.background{ background-color: rgb(68, 176,  
32) }
```

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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