

Converting Colors

$Yxy(32.9019, 0.3804, 0.5362)$

Have a look what the booklet for
Yxy(32.9019, 0.3804, 0.5362)
contains.

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Color

Yxy(32.8306, 0.3811, 0.5356)

Conversions

Conversions Part 1

Format	Color
Hex	83A800
RGB	131, 168, 0
RGB Percent	51%, 66%, 0%
CMY	0.4864, 0.3411, 0.9999
CMYK	0.22, 0.00, 1.00, 0.34
HSL	73°, 100%, 33%
HSV	73°, 100%, 66%
XYZ	23.3602, 32.8306, 5.1060
YIQ	137.7850, 31.8760, -60.0920

Conversions

Conversions Part 2

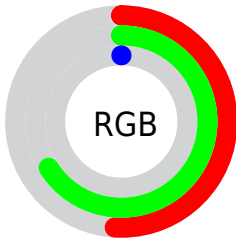
Format	Color
RYB	0, 168, 37
Decimal	8628224
CIELab	64.02, -31.73, 65.85
CIELCh	64, 73.096, 115.730
Yxy	32.8306, 0.3811, 0.5356
Android (android.graphics.Color)	4286818304 (0xFF83A800)
YUV	137.7850, -67.9280, -5.9504
Hunter-Lab	57.2980, -27.4975, 34.8251

Details

The Yxy color **32.8306, 0.3811, 0.5356** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.2224, 0.1621, 0.0667**, and the grayscale version is **25.5846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9747, 0.3757, 0.4966**, and **14.0273, 0.3622, 0.5506** is the 20% darker color. If you saturate the color by 10%, you get **32.8316, 0.3811, 0.5356**, and if you desaturate by 10%, it is **33.1729, 0.3824, 0.5276**.

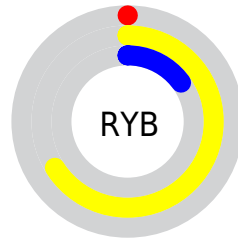
Distribution



Red (51%)

Green (66%)

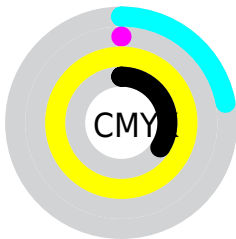
Blue (0%)



Red (0%)

Yellow (66%)

Blue (15%)

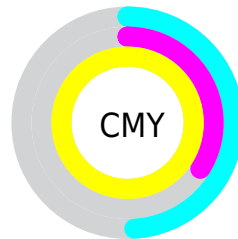


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (49%)


Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8306, 0.3811, 0.5356 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 32.8306, 0.3811, 0.5356 by changing the saturation by 10% instead.

 32.8306, 0.3811,
0.5356


 32.8306, 0.3811,
0.5356


314.8857, 0.3557,
0.4274

 21.9967, 0.3819,
0.5607


 64.1110, 0.3754,
0.4968


 13.8545, 0.3792,
0.5908


 85.3262, 0.3721,
0.4819

 8.0195, 0.3709,
0.6291


 110.7707, 0.3689,
0.4692

 4.1074, 0.3406,
0.6594

 140.8289, 0.3658,
0.4584

 1.7338, 0.2879,
0.7121

 175.8850, 0.3629,
0.4490

 0.4454, 0.0000,
1.0000

 216.3236, 0.3603,

 0.0000, 0.0000,

0.4409

0.0000

262.5291, 0.3579,
0.4337

32.8306, 0.3811,
0.5356

32.8306, 0.3811,
0.5356

32.8316, 0.3811,
0.5356

33.1729, 0.3824,
0.5276

33.5580, 0.3818,
0.5159

34.0012, 0.3786,
0.4998

34.5085, 0.3731,
0.4797

35.0854, 0.3655,
0.4565

■ 35.7366, 0.3562,
0.4313

■ 36.4662, 0.3459,
0.4051

■ 37.2782, 0.3349,
0.3788

■ 38.1761, 0.3237,
0.3533

Harmonies

Analogous

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



32.8306, 0.4720, 0.4738



32.8306, 0.3811, 0.5356



32.8306, 0.2794, 0.5237

Triad

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



32.8306, 0.3811, 0.5356



32.8306, 0.1329, 0.2047



32.8306, 0.4318, 0.2556

Complementary

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



32.8306, 0.3811, 0.5356



3.2224, 0.1621, 0.0667

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.



32.8306, 0.3132, 0.2030



32.8306, 0.3811, 0.5356



32.8306, 0.1564, 0.1726

Square

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



32.8306, 0.3811, 0.5356



32.8306, 0.1426, 0.2833



32.8306, 0.2153, 0.1740



32.8306, 0.5174, 0.3223

Rectangle

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



32.8306, 0.3811, 0.5356



32.8306, 0.2175, 0.4561



32.8306, 0.2153, 0.1740



32.8306, 0.3928, 0.2360

Sweetspot

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



32.8321, 0.3811, 0.5356



66.0868, 0.3465, 0.4065



9.6133, 0.6134, 0.3511



14.2846, 0.3507, 0.4172



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.8321, 0.3811, 0.5356



59.4727, 0.3804, 0.5362



28.6278, 0.3131, 0.5896



8.6892, 0.3230, 0.3515



24.8134, 0.3815, 0.5353



0.6238, 0.3948, 0.5248

Inverse Universe

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



3.2224, 0.1621, 0.0667



5.7671, 0.1608, 0.0660



6.8508, 0.2507, 0.1155



7.3773, 0.3019, 0.3059



2.4518, 0.1629, 0.0671



0.0810, 0.1952, 0.0849

Previews

White Background



This preview shows how the Yxy color 32.8306, 0.3811, 0.5356 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 32.8306, 0.3811, 0.5356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

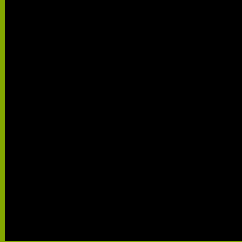
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8306, 0.3811, 0.5356

Background



This preview shows how black text looks on a background with the Yxy color 32.8306, 0.3811, 0.5356.



This preview shows how white text looks on a background with the Yxy color 32.8306, 0.3811, 0.5356.

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

32.8306, 0.3811, 0.5356

Protanopia

32.5566, 0.4408, 0.4882

Deuteranopia

32.5685, 0.4636, 0.4549



Tritanopia

32.6612, 0.2909, 0.3093

Trichromacy



Original Color

32.8306, 0.3811, 0.5356

Protanomaly

32.5125, 0.4183, 0.5061

Deuteranomaly

32.2639, 0.4340, 0.4852

Tritanomaly

31.7998, 0.3396, 0.4138

Monochromacy



Original Color

32.8306, 0.3811, 0.5356

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.3504, 0.3562, 0.4329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8306, 0.3811, 0.5356 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(131, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 168, 0)  
}
```

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(131, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.8306, 0.3811, 0.5356 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(131, 168, 0) }
```

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

```
.border{ border-color:rgb(131, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(131, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8306, 0.3811, 0.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 168, 0) }
```

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

```
.background{ background-color: rgb(131,  
168, 0) }
```

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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