

Converting Colors

$Y_{xy}(32.3837, 0.2938, 0.5777)$

Have a look what the booklet for
Yxy(32.3837, 0.2938, 0.5777)
contains.

Yxy(32.3801, 0.2938, 0.5775)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.3801, 0.2938, 0.5775)

Conversions

Conversions Part 1

Format	Color
Hex	00B326
RGB	0, 179, 38
RGB Percent	0%, 70%, 15%
CMY	0.9987, 0.2980, 0.8509
CMYK	1.00, 0.00, 0.79, 0.30
HSL	133°, 100%, 35%
HSV	133°, 100%, 70%
XYZ	16.4732, 32.3801, 7.2161
YIQ	109.4050, -61.4230, -81.7990

Conversions

Conversions Part 2

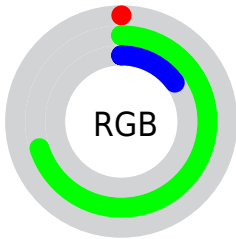
Format	Color
RYB	0, 148, 179
Decimal	45862
CIELab	63.66, -64.57, 56.40
CIELCh	64, 85.735, 138.864
Yxy	32.3801, 0.2938, 0.5775
Android (android.graphics.Color)	4278235942 (0xFF00B326)
YUV	109.4050, -35.2027, -95.9482
Hunter-Lab	56.9035, -47.9066, 32.3137

Details

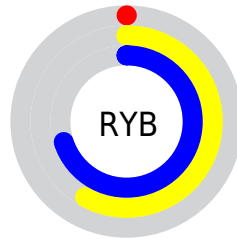
The Yxy color **32.3801, 0.2938, 0.5775** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.5237, 0.3824, 0.1881**, and the grayscale version is **15.5603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3404, 0.3049, 0.5228**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.3775, 0.2938, 0.5778**, and if you desaturate by 10%, it is **32.6193, 0.2916, 0.5597**.

Distribution



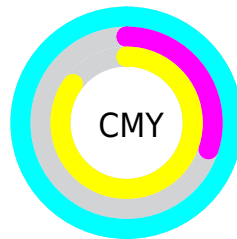
- Red (0%)
- Green (70%)
- Blue (15%)



- Red (0%)
- Yellow (58%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3801, 0.2938, 0.5775 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 32.3801, 0.2938, 0.5775 by changing the saturation by 10% instead.


 32.3801, 0.2938,
0.5775


 32.3801, 0.2938,
0.5775


312.8471, 0.3141,
0.4361

 21.6520, 0.2834,
0.6165


 63.4065, 0.3048,
0.5227

 13.6014, 0.2662,
0.6669


 84.4736, 0.3077,
0.5030


 7.8440, 0.2419,
0.7473


 109.7557, 0.3098,
0.4869

 3.9953, 0.1863,
0.8137

 139.6374, 0.3113,
0.4733

 1.6709, 0.0000,
1.0000

 174.5030, 0.3123,
0.4619

 0.4047, 0.0000,
1.0000

 214.7369, 0.3131,

 0.0000, 0.0000,

0.4520

0.0000

260.7235, 0.3137,
0.4435

■ 32.3801, 0.2938,
0.5775

■ 32.3801, 0.2938,
0.5775

■ 32.3775, 0.2938,
0.5778

■ 32.6193, 0.2916,
0.5597

■ 33.0133, 0.2902,
0.5369

■ 33.6096, 0.2901,
0.5103

■ 34.4321, 0.2913,
0.4814

■ 35.5013, 0.2935,
0.4519

■ 36.8353, 0.2967,
0.4230

■ 38.4506, 0.3004,
0.3958

■ 40.3621, 0.3044,
0.3709

■ 42.5839, 0.3086,
0.3485

Harmonies

Analogous

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



32.3801, 0.4073, 0.5516



32.3801, 0.2938, 0.5775



32.3801, 0.1903, 0.4652

Triad

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



32.3801, 0.2938, 0.5775



32.3801, 0.1283, 0.1566



32.3801, 0.5362, 0.2985

Complementary

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



32.3801, 0.2938, 0.5775



11.5237, 0.3824, 0.1881

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.



32.3801, 0.4201, 0.2290



32.3801, 0.2938, 0.5775



32.3801, 0.1823, 0.1519

Square

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



32.3801, 0.2938, 0.5775



32.3801, 0.1106, 0.1994



32.3801, 0.2821, 0.1770



32.3801, 0.5635, 0.3757

Rectangle

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



32.3801, 0.2938, 0.5775



32.3801, 0.1430, 0.3521



32.3801, 0.2821, 0.1770



32.3801, 0.5052, 0.2743

Sweetspot

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



32.3814, 0.2938, 0.5775



68.6473, 0.3001, 0.3977



38.1034, 0.3845, 0.5328



14.9311, 0.2985, 0.4088



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.



32.3814, 0.2938, 0.5775



57.9625, 0.2945, 0.5801



33.7323, 0.2526, 0.4292



9.5184, 0.3088, 0.3475



22.8882, 0.2933, 0.5761



0.7286, 0.2788, 0.5238

Inverse Universe

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



11.5237, 0.3824, 0.1881



20.5881, 0.3837, 0.1888



9.8566, 0.5751, 0.2944



8.6154, 0.3169, 0.3112



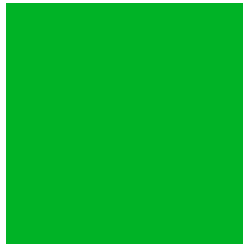
8.1464, 0.3816, 0.1876



0.2640, 0.3617, 0.1766

Previews

White Background



This preview shows how the Yxy color 32.3801, 0.2938, 0.5775 looks on a white background.

Color Contrast Check

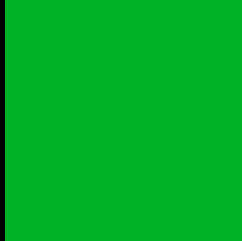
Large Text (above 18pt) WCAG AA × Fail

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 32.3801, 0.2938, 0.5775 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 32.3801, 0.2938, 0.5775

Background



This preview shows how black text looks on a background with the Yxy color 32.3801, 0.2938, 0.5775.



This preview shows how white text looks on a background with the Yxy color 32.3801, 0.2938, 0.5775.

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

32.3801, 0.2938, 0.5775

Protanopia

31.6521, 0.4328, 0.4781

Deuteranopia

31.5842, 0.4505, 0.4411



Tritanopia

32.3886, 0.2361, 0.3073

Trichromacy



Original Color

32.3801, 0.2938, 0.5775



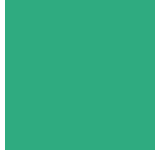
Protanomaly

29.2712, 0.3568, 0.5318



Deuteranomaly

28.4649, 0.3663, 0.5057



Tritanomaly

31.2887, 0.2571, 0.4098

Monochromacy



Original Color

32.3801, 0.2938, 0.5775



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

19.2701, 0.2941, 0.4431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3801, 0.2938, 0.5775 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 38) }
```

Border

The CSS property to change the border of an element to Yxy 32.3801, 0.2938, 0.5775 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, 38) }
```

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

```
.border{ border-color:rgb(0, 179, 38) }
```

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, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.3801, 0.2938, 0.5775 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, 38) }
```

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

```
.background{ background-color: rgb(0, 179,  
38) }
```

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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