

Converting Colors

$Y_{xy}(32.4873, 0.3137, 0.5524)$

Have a look what the booklet for
Yxy(32.4873, 0.3137, 0.5524)
contains.

Yxy(32.5131, 0.3138, 0.5523)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.5131, 0.3138, 0.5523)

Conversions

Conversions Part 1

Format	Color
Hex	45B02E
RGB	69, 176, 46
RGB Percent	27%, 69%, 18%
CMY	0.7293, 0.3098, 0.8198
CMYK	0.61, 0.00, 0.74, 0.31
HSL	109°, 59%, 44%
HSV	109°, 74%, 69%
XYZ	18.4730, 32.5131, 7.8825
YIQ	129.1870, -22.0420, -63.1140

Conversions

Conversions Part 2

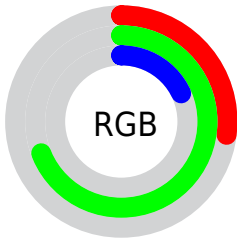
Format	Color
RYB	46, 176, 153
Decimal	4567086
CIELab	63.76, -54.19, 54.17
CIElCh	64, 76.621, 135.010
Yxy	32.5131, 0.3138, 0.5523
Android (android.graphics.Color)	4282757166 (0xFF45B02E)
YUV	129.1870, -41.0112, -52.7840
Hunter-Lab	57.0203, -41.9565, 31.7179

Details

The Yxy color **32.5131, 0.3138, 0.5523** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **11.8531, 0.2887, 0.1560**, and the grayscale version is **22.1753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8651, 0.3198, 0.5044**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.9365, 0.3110, 0.5744**, and if you desaturate by 10%, it is **33.2786, 0.3158, 0.5242**.

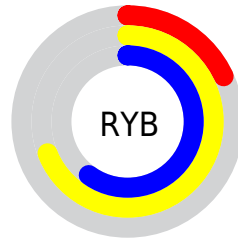
Distribution



Red (27%)

Green (69%)

Blue (18%)



Red (18%)

Yellow (69%)

Blue (60%)

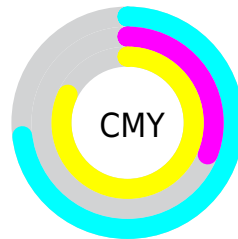


Cyan (61%)

Magenta (0%)

Yellow (74%)

Black (31%)



Cyan (73%)


Magenta (31%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5131, 0.3138, 0.5523 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 32.5131, 0.3138, 0.5523 by changing the saturation by 10% instead.


 32.5131, 0.3138,
0.5523


 32.5131, 0.3138,
0.5523


313.4500, 0.3219,
0.4267

 21.7537, 0.3072,
0.5867


 63.6146, 0.3197,
0.5039


 13.6760, 0.2954,
0.6312


 84.7255, 0.3210,
0.4864


 7.8957, 0.2770,
0.6980


 110.0557, 0.3217,
0.4720

 4.0283, 0.2331,
0.7669

 139.9896, 0.3220,
0.4600

 1.6894, 0.0692,
0.9308

 174.9116, 0.3222,
0.4497

 0.4168, 0.0000,
1.0000

 215.2061, 0.3222,

 0.0000, 0.0000,

0.4409

0.0000

261.2574, 0.3221,
0.4333

■ 32.5131, 0.3138,
0.5523

■ 32.5131, 0.3138,
0.5523

■ 31.9365, 0.3110,
0.5744

■ 33.2786, 0.3158,
0.5242

■ 31.5275, 0.3076,
0.5891

■ 34.2436, 0.3170,
0.4923

■ 31.3461, 0.3058,
0.5954

■ 35.4228, 0.3174,
0.4587

■ 36.8283, 0.3170,
0.4254

■ 38.4713, 0.3161,
0.3938

■ 40.3621, 0.3148,
0.3647

■ 42.5106, 0.3133,
0.3384

■ 44.9260, 0.3117,
0.3151

■ 47.6171, 0.3100,
0.2946

Harmonies

Analogous

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



32.5131, 0.4180, 0.5256



32.5131, 0.3138, 0.5523



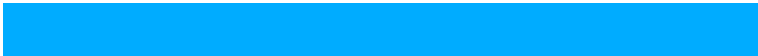
32.5131, 0.2144, 0.4669

Triad

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



32.5131, 0.3138, 0.5523



32.5131, 0.1381, 0.1737



32.5131, 0.5035, 0.2952

Complementary

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



32.5131, 0.3138, 0.5523



11.8531, 0.2887, 0.1560

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.



32.5131, 0.3934, 0.2306



32.5131, 0.3138, 0.5523



32.5131, 0.1848, 0.1643

Square

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



32.5131, 0.3138, 0.5523



32.5131, 0.1258, 0.2213



32.5131, 0.2719, 0.1844



32.5131, 0.5427, 0.3681

Rectangle

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



32.5131, 0.3138, 0.5523



32.5131, 0.1656, 0.3699



32.5131, 0.2719, 0.1844



32.5131, 0.4723, 0.2723

Sweetspot

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



32.5145, 0.3138, 0.5523



70.2572, 0.3159, 0.3893



31.9365, 0.4312, 0.4644



15.0430, 0.3162, 0.3973



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.



32.5145, 0.3138, 0.5523



57.3936, 0.3088, 0.5851



32.3221, 0.2827, 0.4971



9.5601, 0.3142, 0.3523



23.0172, 0.3063, 0.5950



0.7460, 0.3234, 0.5814

Inverse Universe

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



11.8531, 0.2887, 0.1560



17.7663, 0.2809, 0.1363



12.9258, 0.3855, 0.2144



8.5690, 0.3110, 0.3064



6.7261, 0.2771, 0.1300



0.2316, 0.2901, 0.1372

Previews

White Background



This preview shows how the Yxy color 32.5131, 0.3138, 0.5523 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 32.5131, 0.3138, 0.5523 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 32.5131, 0.3138, 0.5523

Background



This preview shows how black text looks on a background with the Yxy color 32.5131, 0.3138, 0.5523.



This preview shows how white text looks on a background with the Yxy color 32.5131, 0.3138, 0.5523.

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

32.5131, 0.3138, 0.5523

Protanopia

32.0351, 0.4280, 0.4735

Deuteranopia

31.9396, 0.4461, 0.4380



Tritanopia

32.2666, 0.2493, 0.3077

Trichromacy



Original Color

32.5131, 0.3138, 0.5523



Protanomaly

31.1587, 0.3796, 0.5069



Deuteranomaly

30.5833, 0.3903, 0.4822



Tritanomaly

31.6165, 0.2764, 0.3990

Monochromacy



Original Color

32.5131, 0.3138, 0.5523



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.5844, 0.3165, 0.4185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5131, 0.3138, 0.5523 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(69, 176, 46)` looks like.

```
.text, #text, p{  
    color:rgb(69, 176, 46)  
}
```

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(69, 176, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 176, 46) }
```

Border

The CSS property to change the border of an element to Yxy 32.5131, 0.3138, 0.5523 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(69, 176, 46) }
```

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

```
.border{ border-color:rgb(69, 176, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 176, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 176, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 176, 46);  
box-shadow:4px 4px 4px 4px rgb(69, 176,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5131, 0.3138, 0.5523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 176, 46) }
```

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

```
.background{ background-color: rgb(69, 176,  
46) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor