

Converting Colors

$Yxy(32.5556, 0.3097, 0.5923)$

Have a look what the booklet for
Yxy(32.5556, 0.3097, 0.5923)
contains.

Yxy(32.3544, 0.3097, 0.5923)	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(32.3544, 0.3097, 0.5923)

Conversions

Conversions Part 1

Format	Color
Hex	2BB200
RGB	43, 178, 0
RGB Percent	17%, 70%, 0%
CMY	0.8313, 0.3020, 0.9999
CMYK	0.76, 0.00, 1.00, 0.30
HSL	106°, 100%, 35%
HSV	106°, 100%, 70%
XYZ	16.9174, 32.3544, 5.3533
YIQ	117.3430, -23.3220, -83.9780

Conversions

Conversions Part 2

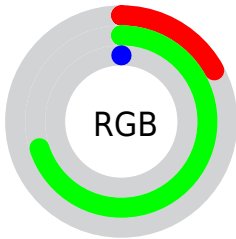
Format	Color
RYB	0, 178, 135
Decimal	2863616
CIELab	63.63, -62.00, 64.03
CIELCh	64, 89.128, 134.075
Yxy	32.3544, 0.3097, 0.5923
Android (android.graphics.Color)	4281053696 (0xFF2BB200)
YUV	117.3430, -57.8501, -65.1988
Hunter-Lab	56.8809, -46.4526, 34.2367

Details

The Yxy color **32.3544, 0.3097, 0.5923** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **8.3649, 0.2606, 0.1209**, and the grayscale version is **18.0932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4492, 0.3195, 0.5361**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.3555, 0.3097, 0.5923**, and if you desaturate by 10%, it is **32.7406, 0.3137, 0.5807**.

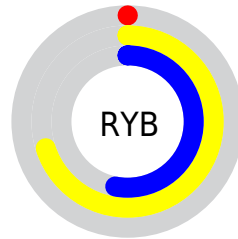
Distribution



Red (17%)

Green (70%)

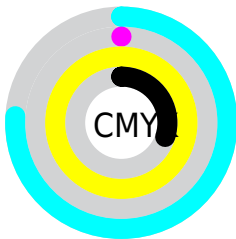
Blue (0%)



Red (0%)

Yellow (70%)

Blue (53%)

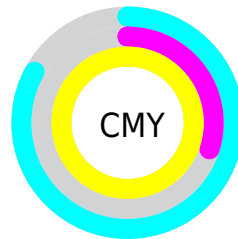


Cyan (76%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (83%)


Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3544, 0.3097, 0.5923 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 32.3544, 0.3097, 0.5923 by changing the saturation by 10% instead.


 32.3544, 0.3097,
0.5923


 32.3544, 0.3097,
0.5923


312.7305, 0.3242,
0.4450

 21.6323, 0.2995,
0.6307


 63.3663, 0.3194,
0.5364


 13.5870, 0.2819,
0.6789


 84.4249, 0.3216,
0.5160


 7.8340, 0.2540,
0.7460


 109.6977, 0.3229,
0.4989

 3.9889, 0.1973,
0.8027

 139.5693, 0.3237,
0.4846

 1.6674, 0.0000,
1.0000

 174.4240, 0.3241,
0.4725


 0.4024, 0.0000,
1.0000

 214.6462, 0.3243,

 0.0000, 0.0000,


0.4620

0.0000


 260.6202, 0.3243,
0.4529


 32.3544, 0.3097,
0.5923

 32.3544, 0.3097,
0.5923


 32.3555, 0.3097,
0.5923

 32.7406, 0.3137,
0.5807

 33.2695, 0.3174,
0.5629

 33.9652, 0.3201,
0.5386

 34.8417, 0.3216,
0.5094

 35.9114, 0.3219,
0.4773

■ 37.1856, 0.3212,
0.4444

■ 38.6745, 0.3197,
0.4122

■ 40.3878, 0.3177,
0.3819

■ 42.3344, 0.3153,
0.3540

Harmonies

Analogous

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



32.3544, 0.4255, 0.5444



32.3544, 0.3097, 0.5923



32.3544, 0.2001, 0.4985

Triad

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



32.3544, 0.3097, 0.5923



32.3544, 0.1185, 0.1556



32.3544, 0.5305, 0.2845

Complementary

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



32.3544, 0.3097, 0.5923



8.3649, 0.2606, 0.1209

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.



32.3544, 0.4002, 0.2157



32.3544, 0.3097, 0.5923



32.3544, 0.1666, 0.1459

Square

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



32.3544, 0.3097, 0.5923



32.3544, 0.1057, 0.2065



32.3544, 0.2608, 0.1667



32.3544, 0.5737, 0.3613

Rectangle

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



32.3544, 0.3097, 0.5923



32.3544, 0.1469, 0.3798



32.3544, 0.2608, 0.1667



32.3544, 0.4937, 0.2603

Sweetspot

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



32.3558, 0.3097, 0.5923



69.9799, 0.3198, 0.4138



26.3789, 0.4715, 0.4638



15.2458, 0.3205, 0.4271



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.



32.3558, 0.3097, 0.5923



58.5843, 0.3088, 0.5930



32.0274, 0.2917, 0.5702



9.5860, 0.3151, 0.3523



23.1753, 0.3103, 0.5918



0.7566, 0.3312, 0.5753

Inverse Universe

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



8.3649, 0.2606, 0.1209



15.0564, 0.2596, 0.1204



11.1729, 0.3960, 0.1955



8.5412, 0.3100, 0.3063



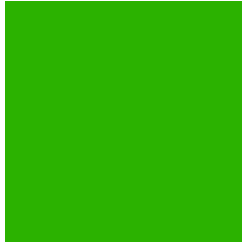
6.0148, 0.2613, 0.1213



0.2142, 0.2788, 0.1310

Previews

White Background



This preview shows how the Yxy color 32.3544, 0.3097, 0.5923 looks on a white background.

Color Contrast Check

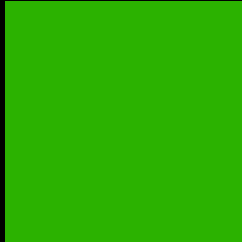
Large Text (above 18pt) WCAG AA × Fail

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 32.3544, 0.3097, 0.5923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

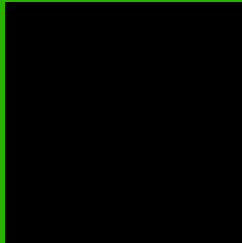
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3544, 0.3097, 0.5923

Background



This preview shows how black text looks on a background with the Yxy color 32.3544, 0.3097, 0.5923.



This preview shows how white text looks on a background with the Yxy color 32.3544, 0.3097, 0.5923.

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

32.3544, 0.3097, 0.5923

Protanopia

31.6667, 0.4411, 0.4880

Deuteranopia

31.5972, 0.4599, 0.4511



Tritanopia

32.0498, 0.2409, 0.3058

Trichromacy



Original Color

32.3544, 0.3097, 0.5923



Protanomaly

30.2763, 0.3809, 0.5358



Deuteranomaly

29.5832, 0.3937, 0.5130



Tritanomaly

31.2296, 0.2759, 0.4338

Monochromacy



Original Color

32.3544, 0.3097, 0.5923



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.1333, 0.3220, 0.4634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3544, 0.3097, 0.5923 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(43, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 178, 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(43, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 178, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.3544, 0.3097, 0.5923 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(43, 178, 0) }
```

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

```
.border{ border-color:rgb(43, 178, 0) }
```

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

Here you see how a box with a 4 pixel rgb(43, 178, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 178, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.3544, 0.3097, 0.5923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 178, 0) }
```

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

```
.background{ background-color: rgb(43, 178,  
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](#).

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