

Converting Colors

$Y_{xy}(68.3388, 0.3022, 0.5700)$

Have a look what the booklet for
Yxy(68.3388, 0.3022, 0.5700)
contains.

Yxy(68.4324, 0.3022, 0.5703)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.4324, 0.3022, 0.5703)

Conversions

Conversions Part 1

Format	Color
Hex	3DF83A
RGB	61, 248, 58
RGB Percent	24%, 97%, 23%
CMY	0.7602, 0.0275, 0.7726
CMYK	0.75, 0.00, 0.77, 0.03
HSL	119°, 93%, 60%
HSV	119°, 77%, 97%
XYZ	36.2621, 68.4324, 15.2992
YIQ	170.4270, -50.4620, -98.7340

Conversions

Conversions Part 2

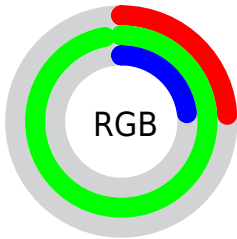
Format	Color
RYB	58, 248, 245
Decimal	4061242
CIELab	86.22, -77.97, 72.27
CIELCh	86, 106.314, 137.174
Yxy	68.4324, 0.3022, 0.5703
Android (android.graphics.Color)	4282251322 (0xFF3DF83A)
YUV	170.4270, -55.4265, -95.9675
Hunter-Lab	82.7239, -66.5211, 46.9414

Details

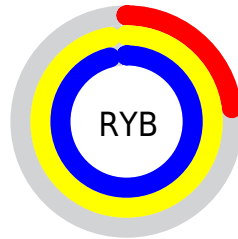
The Yxy color **68.4324, 0.3022, 0.5703** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **29.1882, 0.3172, 0.1652**, and the grayscale version is **40.7463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1464, 0.3141, 0.4974**, and **36.8269, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.6328, 0.3011, 0.5885**, and if you desaturate by 10%, it is **69.7109, 0.3036, 0.5439**.

Distribution



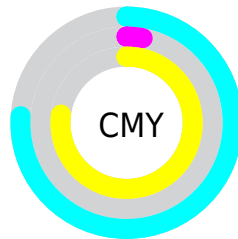
- Red (24%)
- Green (97%)
- Blue (23%)



- Red (23%)
- Yellow (97%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (77%)
- Black (3%)



- Cyan (76%)
- Magenta (3%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4324, 0.3022, 0.5703 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 68.4324, 0.3022, 0.5703 by changing the saturation by 10% instead.


 68.4324, 0.3022,
0.5703


 68.4324, 0.3022,
0.5703


455.0265, 0.3173,
0.4490


 50.2496, 0.2955,
0.5987

 116.9705, 0.3099,
0.5272


 35.6118, 0.2856,
0.6332


 148.0946, 0.3122,
0.5107


 24.1345, 0.2703,
0.6754


 184.3012, 0.3138,
0.4965

 15.4334, 0.2470,
0.7285

 225.9748, 0.3150,
0.4844

 9.1241, 0.2097,
0.7903

 273.4998, 0.3158,
0.4738

 4.8222, 0.1507,
0.8493

327.2604, 0.3165,

 2.1433, 0.0000,

0.4645

1.0000

387.6412, 0.3169,
0.4563

■ 0.6888, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4324, 0.3022,
0.5703

■ 68.4324, 0.3022,
0.5703

■ 67.6328, 0.3011,
0.5885

■ 69.7109, 0.3036,
0.5439


■ 67.2323, 0.3003,
0.5979

■ 71.5173, 0.3052,
0.5115


■ 67.1595, 0.3002,
0.5998


■ 73.9039, 0.3068,
0.4760

■ 76.9145, 0.3084,
0.4400

 80.5886, 0.3098,
0.4056

 84.9625, 0.3110,
0.3739

 90.0699, 0.3121,
0.3457

 95.6130, 0.3130,
0.3223

Harmonies

Analogous

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



68.4324, 0.4129, 0.5422



68.4324, 0.3022, 0.5703



68.4324, 0.1993, 0.4689

Triad

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



68.4324, 0.3022, 0.5703



68.4324, 0.1307, 0.1621



68.4324, 0.5247, 0.2963

Complementary

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



68.4324, 0.3022, 0.5703



29.1882, 0.3172, 0.1652

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.



68.4324, 0.4091, 0.2284



68.4324, 0.3022, 0.5703



68.4324, 0.1816, 0.1554

Square

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



68.4324, 0.3022, 0.5703



68.4324, 0.1151, 0.2073



68.4324, 0.2766, 0.1785



68.4324, 0.5577, 0.3720

Rectangle

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



68.4324, 0.3022, 0.5703



68.4324, 0.1509, 0.3607



68.4324, 0.2766, 0.1785



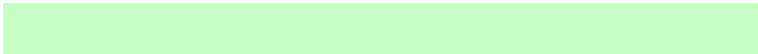
68.4324, 0.4930, 0.2725

Sweetspot

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



68.4352, 0.3022, 0.5703



87.4353, 0.3103, 0.3939



85.4637, 0.4137, 0.4905



18.3730, 0.3098, 0.4057



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



68.4352, 0.3022, 0.5703



71.7697, 0.3006, 0.5948



70.2291, 0.2698, 0.4644



19.3229, 0.3118, 0.3535



36.2864, 0.3003, 0.5997



3.3654, 0.3012, 0.5990

Inverse Universe

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



29.1882, 0.3172, 0.1652



28.2645, 0.3170, 0.1541



25.3877, 0.4378, 0.2404



17.5090, 0.3135, 0.3056



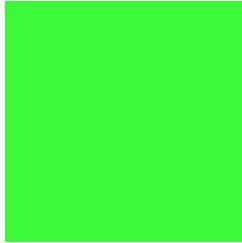
14.0467, 0.3168, 0.1519



1.3055, 0.3173, 0.1522

Previews

White Background



This preview shows how the Yxy color 68.4324, 0.3022, 0.5703 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 68.4324, 0.3022, 0.5703 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 68.4324, 0.3022, 0.5703

Background



This preview shows how black text looks on a background with the Yxy color 68.4324, 0.3022, 0.5703.

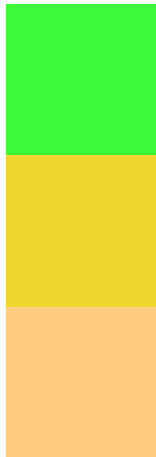


This preview shows how white text looks on a background with the Yxy color 68.4324, 0.3022, 0.5703.

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

68.4324, 0.3022, 0.5703

Protanopia

66.8402, 0.4324, 0.4775

Deuteranopia

66.4549, 0.4111, 0.4084



Tritanopia

67.7670, 0.2394, 0.3059

Trichromacy



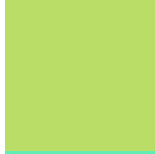
Original Color

68.4324, 0.3022, 0.5703



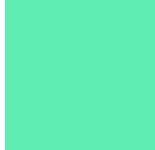
Protanomaly

63.7546, 0.3717, 0.5208



Deuteranomaly

62.9865, 0.3617, 0.4720



Tritanomaly

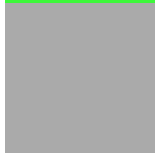
66.3505, 0.2653, 0.4061

Monochromacy



Original Color

68.4324, 0.3022, 0.5703



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.7190, 0.3086, 0.4321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4324, 0.3022, 0.5703 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(61, 248, 58)` looks like.

```
.text, #text, p{  
    color:rgb(61, 248, 58)  
}
```

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(61, 248, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 248, 58) }
```

Border

The CSS property to change the border of an element to Yxy 68.4324, 0.3022, 0.5703 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(61, 248, 58) }
```

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

```
.border{ border-color:rgb(61, 248, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 248, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 248, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 248, 58);  
box-shadow:4px 4px 4px 4px rgb(61, 248,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4324, 0.3022, 0.5703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 248, 58) }
```

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

```
.background{ background-color: rgb(61, 248,  
58) }
```

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