

Converting Colors

$Yxy(69.0493, 0.3060, 0.5952)$

Have a look what the booklet for
Yxy(69.0493, 0.3060, 0.5952)
contains.

Yxy(69.0493, 0.3060, 0.5952)	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(69.0493, 0.3060, 0.5952)

Conversions

Conversions Part 1

Format	Color
Hex	32FA00
RGB	50, 250, 0
RGB Percent	20%, 98%, 0%
CMY	0.8042, 0.0196, 0.9992
CMYK	0.80, 0.00, 1.00, 0.02
HSL	108°, 100%, 49%
HSV	108°, 100%, 98%
XYZ	35.4991, 69.0493, 11.4618
YIQ	161.7000, -38.9500, -120.1500

Conversions

Conversions Part 2

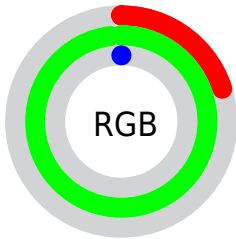
Format	Color
RYB	0, 250, 200
Decimal	3340800
CIELab	86.53, -81.86, 82.34
CIELCh	87, 116.104, 134.831
Yxy	69.0493, 0.3060, 0.5952
Android (android.graphics.Color)	4281530880 (0xFF32FA00)
YUV	161.7000, -79.7181, -97.9609
Hunter-Lab	83.0959, -69.1614, 49.9890

Details

The Yxy color **69.0493, 0.3060, 0.5952** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **19.2262, 0.2701, 0.1262**, and the grayscale version is **36.3803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2619, 0.3221, 0.5260**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.0475, 0.3060, 0.5953**, and if you desaturate by 10%, it is **69.7469, 0.3098, 0.5857**.

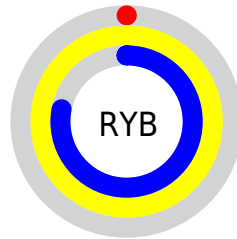
Distribution



Red (20%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (78%)

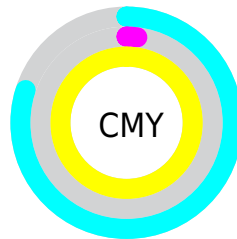


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (80%)

Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0493, 0.3060, 0.5952 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 69.0493, 0.3060, 0.5952 by changing the saturation by 10% instead.

 69.0493, 0.3060,
0.5952


 69.0493, 0.3060,
0.5952


457.2048, 0.3224,
0.4632


 50.7519, 0.2981,
0.6248


 117.8520, 0.3149,
0.5492


 36.0112, 0.2863,
0.6600


 149.1260, 0.3175,
0.5312


 24.4428, 0.2682,
0.7014


 185.4944, 0.3192,
0.5157

 15.6624, 0.2429,
0.7571

 227.3415, 0.3204,
0.5023

 9.2856, 0.1983,
0.8017

 275.0517, 0.3212,
0.4906

 4.9279, 0.1386,
0.8614

 329.0093, 0.3218,

 2.2050, 0.0000,

0.4804

1.0000

389.5989, 0.3222,
0.4713

■ 0.7227, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 69.0493, 0.3060,
0.5952

■ 69.0493, 0.3060,
0.5952

■ 69.0475, 0.3060,
0.5953

■ 69.7469, 0.3098,
0.5857

■ 70.7801, 0.3133,
0.5689

■ 72.2015, 0.3161,
0.5448

■ 74.0476, 0.3180,
0.5151

■ 76.3505, 0.3188,
0.4820

■ 79.1389, 0.3187,
0.4479

■ 82.4392, 0.3178,
0.4145

■ 86.2758, 0.3164,
0.3831

■ 90.6714, 0.3146,
0.3544

Harmonies

Analogous

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



69.0493, 0.4228, 0.5482



69.0493, 0.3060, 0.5952



69.0493, 0.1963, 0.4966

Triad

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



69.0493, 0.3060, 0.5952



69.0493, 0.1178, 0.1534



69.0493, 0.5353, 0.2856

Complementary

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



69.0493, 0.3060, 0.5952



19.2262, 0.2701, 0.1262

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.



69.0493, 0.4049, 0.2162



69.0493, 0.3060, 0.5952



69.0493, 0.1671, 0.1446

Square

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



69.0493, 0.3060, 0.5952



69.0493, 0.1040, 0.2032



69.0493, 0.2632, 0.1663



69.0493, 0.5759, 0.3629

Rectangle

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



69.0493, 0.3060, 0.5952



69.0493, 0.1436, 0.3756



69.0493, 0.2632, 0.1663



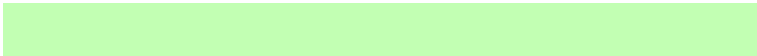
69.0493, 0.4989, 0.2613

Sweetspot

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



69.0522, 0.3060, 0.5952



86.1876, 0.3178, 0.4149



61.6563, 0.4605, 0.4725



18.1221, 0.3182, 0.4288



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.



69.0522, 0.3060, 0.5952



72.2174, 0.3059, 0.5953



68.8868, 0.2896, 0.5625



19.4755, 0.3146, 0.3533



36.6700, 0.3067, 0.5946



3.4384, 0.3140, 0.5889

Inverse Universe

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



19.2262, 0.2701, 0.1262



20.0922, 0.2700, 0.1261



23.4276, 0.4166, 0.2069



17.3399, 0.3106, 0.3054



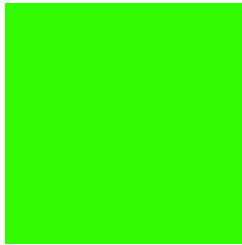
10.2540, 0.2709, 0.1266



0.9925, 0.2772, 0.1301

Previews

White Background



This preview shows how the Yxy color 69.0493, 0.3060, 0.5952 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 69.0493, 0.3060, 0.5952 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 69.0493, 0.3060, 0.5952

Background



This preview shows how black text looks on a background with the Yxy color 69.0493, 0.3060, 0.5952.



This preview shows how white text looks on a background with the Yxy color 69.0493, 0.3060, 0.5952.

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

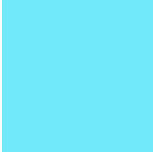
69.0493, 0.3060, 0.5952

Protanopia

67.4781, 0.4408, 0.4882

Deuteranopia

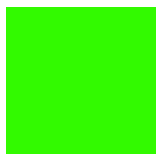
67.4442, 0.4093, 0.4093



Tritanopia

68.2557, 0.2385, 0.3059

Trichromacy



Original Color

69.0493, 0.3060, 0.5952



Protanomaly

64.2575, 0.3759, 0.5397



Deuteranomaly

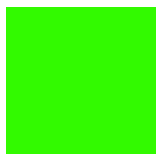
63.0878, 0.3665, 0.4947



Tritanomaly

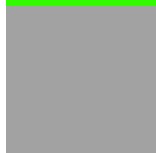
66.4952, 0.2733, 0.4377

Monochromacy



Original Color

69.0493, 0.3060, 0.5952



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

43.6278, 0.3187, 0.4694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0493, 0.3060, 0.5952 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(50, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(50, 250, 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(50, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 69.0493, 0.3060, 0.5952 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(50, 250, 0) }
```

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

```
.border{ border-color:rgb(50, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(50, 250, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 69.0493, 0.3060, 0.5952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 250, 0) }
```

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

```
.background{ background-color: rgb(50, 250,  
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