

Converting Colors

Yxy(67.2844, 0.3024, 0.5903)

Have a look what the booklet for
Yxy(67.2844, 0.3024, 0.5903)
contains.

Yxy(67.0721, 0.3025, 0.5903)	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(67.0721, 0.3025, 0.5903)

Conversions

Conversions Part 1

Format	Color
Hex	29F71B
RGB	41, 247, 27
RGB Percent	16%, 97%, 11%
CMY	0.8396, 0.0313, 0.8935
CMYK	0.83, 0.00, 0.89, 0.03
HSL	116°, 93%, 54%
HSV	116°, 89%, 97%
XYZ	34.3712, 67.0721, 12.1805
YIQ	160.3260, -52.1560, -112.0920

Conversions

Conversions Part 2

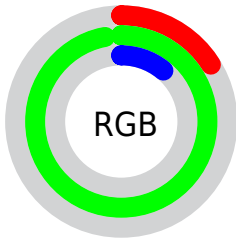
Format	Color
RYB	27, 247, 233
Decimal	2750235
CIELab	85.54, -81.45, 78.70
CIElCh	86, 113.262, 135.983
Yxy	67.0721, 0.3025, 0.5903
Android (android.graphics.Color)	4280940315 (0xFF29F71B)
YUV	160.3260, -65.7297, -104.6489
Hunter-Lab	81.8976, -68.4069, 48.5102

Details

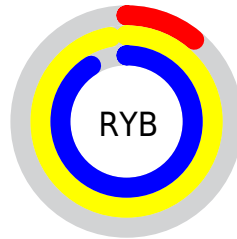
The Yxy color **67.0721, 0.3025, 0.5903** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **24.8780, 0.3067, 0.1500**, and the grayscale version is **35.6348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9329, 0.3162, 0.5202**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **66.6573, 0.3010, 0.5986**, and if you desaturate by 10%, it is **67.8642, 0.3043, 0.5737**.

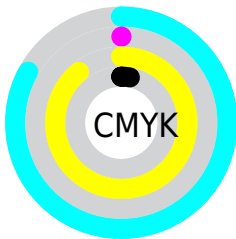
Distribution



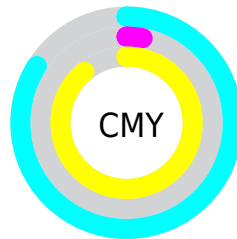
- Red (16%)
- Green (97%)
- Blue (11%)



- Red (11%)
- Yellow (97%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (89%)
- Black (3%)





- Cyan (84%)
- Magenta (3%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0721, 0.3025, 0.5903 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 67.0721, 0.3025, 0.5903 by changing the saturation by 10% instead.


 67.0721, 0.3025,
0.5903


 67.0721, 0.3025,
0.5903

450.2014, 0.3197,
0.4593


 49.1432, 0.2946,
0.6203


 115.0237, 0.3115,
0.5442


 34.7331, 0.2828,
0.6562

 145.8152, 0.3141,
0.5263


 23.4574, 0.2648,
0.6991


 181.6631, 0.3160,
0.5110

 14.9316, 0.2403,
0.7597

 222.9517, 0.3173,
0.4978

 8.7714, 0.1945,
0.8055

 270.0655, 0.3182,
0.4863

 4.5924, 0.1321,
0.8679

 323.3887, 0.3189,

 2.0101, 0.0000,

0.4762

1.0000

383.3059, 0.3194,
0.4672

■ 0.6134, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.0721, 0.3025,
0.5903

■ 67.0721, 0.3025,
0.5903

■ 66.6573, 0.3010,
0.5986

■ 67.8642, 0.3043,
0.5737


■ 66.6310, 0.3010,
0.5992


■ 69.0918, 0.3062,
0.5489

■ 70.8091, 0.3079,
0.5178

■ 73.0606, 0.3094,
0.4832

 75.8856, 0.3106,
0.4475

 79.3197, 0.3115,
0.4130

 83.3956, 0.3121,
0.3810

 88.1437, 0.3125,
0.3521

 93.5926, 0.3127,
0.3266

Harmonies

Analogous

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



67.0721, 0.4183, 0.5494



67.0721, 0.3025, 0.5903



67.0721, 0.1945, 0.4873

Triad

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



67.0721, 0.3025, 0.5903



67.0721, 0.1208, 0.1544



67.0721, 0.5357, 0.2894

Complementary

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



67.0721, 0.3025, 0.5903



24.8780, 0.3067, 0.1500

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.



67.0721, 0.4094, 0.2200



67.0721, 0.3025, 0.5903



67.0721, 0.1715, 0.1467

Square

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



67.0721, 0.3025, 0.5903



67.0721, 0.1059, 0.2020



67.0721, 0.2687, 0.1694



67.0721, 0.5723, 0.3666

Rectangle

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



67.0721, 0.3025, 0.5903



67.0721, 0.1435, 0.3685



67.0721, 0.2687, 0.1694



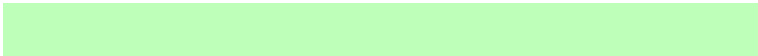
67.0721, 0.5008, 0.2651

Sweetspot

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



67.0749, 0.3025, 0.5903



86.0766, 0.3116, 0.4065



77.7662, 0.4279, 0.4929



18.1276, 0.3114, 0.4179



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.



67.0749, 0.3025, 0.5903



71.6295, 0.3009, 0.5993



68.1769, 0.2756, 0.5043



18.5214, 0.3125, 0.3534



35.2565, 0.3013, 0.5990



3.1157, 0.3047, 0.5963

Inverse Universe

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



24.8780, 0.3067, 0.1500



25.5842, 0.3050, 0.1454



22.8254, 0.4490, 0.2308



16.7125, 0.3128, 0.3056



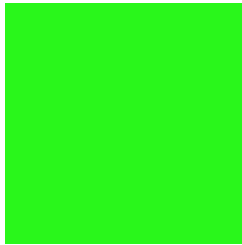
12.6108, 0.3053, 0.1456



1.1240, 0.3074, 0.1467

Previews

White Background



This preview shows how the Yxy color 67.0721, 0.3025, 0.5903 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 67.0721, 0.3025, 0.5903 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 67.0721, 0.3025, 0.5903

Background



This preview shows how black text looks on a background with the Yxy color 67.0721, 0.3025, 0.5903.

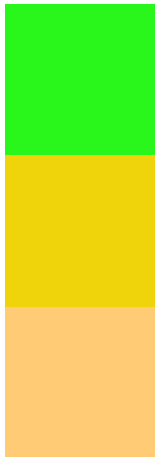


This preview shows how white text looks on a background with the Yxy color 67.0721, 0.3025, 0.5903.

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

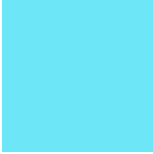
67.0721, 0.3025, 0.5903

Protanopia

65.4619, 0.4402, 0.4867

Deuteranopia

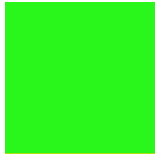
65.2328, 0.4198, 0.4165



Tritanopia

66.6221, 0.2374, 0.3068

Trichromacy



Original Color

67.0721, 0.3025, 0.5903



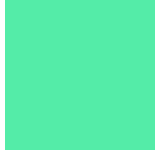
Protanomaly

62.1064, 0.3725, 0.5385



Deuteranomaly

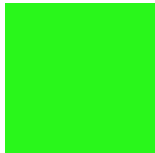
60.6502, 0.3651, 0.4914



Tritanomaly

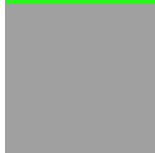
64.7029, 0.2665, 0.4234

Monochromacy



Original Color

67.0721, 0.3025, 0.5903



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

42.6510, 0.3104, 0.4548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0721, 0.3025, 0.5903 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(41, 247, 27)` looks like.

```
.text, #text, p{  
    color:rgb(41, 247, 27)  
}
```

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(41, 247, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 247, 27) }
```

Border

The CSS property to change the border of an element to Yxy 67.0721, 0.3025, 0.5903 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(41, 247, 27) }
```

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

```
.border{ border-color:rgb(41, 247, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 247, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 247, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 247, 27);  
box-shadow:4px 4px 4px 4px rgb(41, 247,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0721, 0.3025, 0.5903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 247, 27) }
```

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

```
.background{ background-color: rgb(41, 247,  
27) }
```

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