

Converting Colors

$Y_{xy}(71.6227, 0.2979, 0.5924)$

Have a look what the booklet for
Yxy(71.6227, 0.2979, 0.5924)
contains.

Yxy(71.6243, 0.2978, 0.5922)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(71.6243, 0.2978, 0.5922)

Conversions

Conversions Part 1

Format	Color
Hex	00FF20
RGB	0, 255, 32
RGB Percent	0%, 100%, 13%
CMY	1.0000, 0.0000, 0.8738
CMYK	1.00, 0.00, 0.87, 0.00
HSL	128°, 100%, 50%
HSV	128°, 100%, 100%
XYZ	36.0178, 71.6243, 13.3041
YIQ	153.3330, -80.3970, -123.4130

Conversions

Conversions Part 2

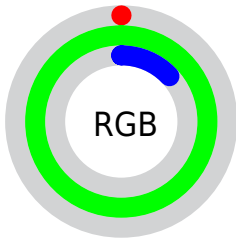
Format	Color
RYB	0, 227, 255
Decimal	65312
CIELab	87.79, -85.54, 79.70
CIELCh	88, 116.913, 137.023
Yxy	71.6243, 0.2978, 0.5922
Android (android.graphics.Color)	4278255392 (0xFF00FF20)
YUV	153.3330, -59.8172, -134.4730
Hunter-Lab	84.6311, -72.1375, 49.9214

Details

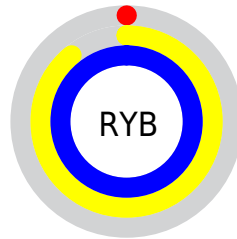
The Yxy color **71.6243, 0.2978, 0.5922** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **26.5785, 0.3563, 0.1736**, and the grayscale version is **32.3091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4012, 0.3112, 0.5195**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6252, 0.2978, 0.5922**, and if you desaturate by 10%, it is **72.0037, 0.2963, 0.5790**.

Distribution



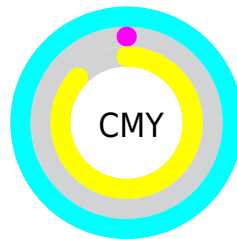
- Red (0%)
- Green (100%)
- Blue (13%)



- Red (0%)
- Yellow (89%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6243, 0.2978, 0.5922 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 71.6243, 0.2978, 0.5922 by changing the saturation by 10% instead.


 71.6243, 0.2978,
0.5922


 71.6243, 0.2978,
0.5922


466.2329, 0.3170,
0.4612

 52.8518, 0.2897,
0.6220

 121.5222, 0.3074,
0.5463


 37.6845, 0.2778,
0.6577


 153.4165, 0.3103,
0.5284

 25.7379, 0.2600,
0.7002


 190.4535, 0.3124,
0.5131

 16.6277, 0.2350,
0.7564


 233.0175, 0.3139,
0.4999

 9.9694, 0.1928,
0.8072

 281.4931, 0.3151,
0.4883

 5.3787, 0.1345,
0.8655

 336.2646, 0.3159,

 2.4711, 0.0000,

0.4782

1.0000

397.7164, 0.3166,
0.4692

■ 0.8621, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 71.6243, 0.2978,
0.5922

■ 71.6243, 0.2978,
0.5922


■ 71.6252, 0.2978,
0.5922

■ 72.0037, 0.2963,
0.5790


■ 72.7559, 0.2954,
0.5588


■ 73.9783, 0.2953,
0.5325


■ 75.7327, 0.2963,
0.5019

 78.0715, 0.2981,
0.4694

 81.0406, 0.3006,
0.4368

 84.6816, 0.3035,
0.4058

 89.0322, 0.3066,
0.3772

 94.1274, 0.3097,
0.3516

Harmonies

Analogous

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



71.6243, 0.4145, 0.5537



71.6243, 0.2978, 0.5922



71.6243, 0.1901, 0.4831

Triad

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



71.6243, 0.2978, 0.5922



71.6243, 0.1207, 0.1523



71.6243, 0.5408, 0.2914

Complementary

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



71.6243, 0.2978, 0.5922



26.5785, 0.3563, 0.1736

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.



71.6243, 0.4154, 0.2213



71.6243, 0.2978, 0.5922



71.6243, 0.1730, 0.1459

Square

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



71.6243, 0.2978, 0.5922



71.6243, 0.1046, 0.1983



71.6243, 0.2726, 0.1697



71.6243, 0.5737, 0.3691

Rectangle

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



71.6243, 0.2978, 0.5922



71.6243, 0.1400, 0.3627



71.6243, 0.2726, 0.1697



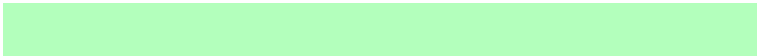
71.6243, 0.5067, 0.2669

Sweetspot

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



71.6252, 0.2978, 0.5922



84.6816, 0.3035, 0.4058



87.5678, 0.3985, 0.5218



17.7787, 0.3022, 0.4186



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.



71.6252, 0.2978, 0.5922



73.9629, 0.2618, 0.4625



20.2054, 0.3098, 0.3504



37.4372, 0.2974, 0.5906



3.6563, 0.2931, 0.5751

Inverse Universe

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



26.5785, 0.3563, 0.1736



22.1371, 0.5495, 0.2800



18.2586, 0.3157, 0.3085



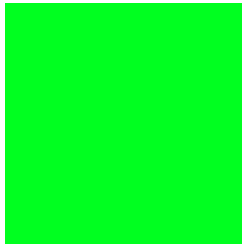
13.9034, 0.3556, 0.1733



1.3643, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 71.6243, 0.2978, 0.5922 looks on a white background.

Color Contrast Check

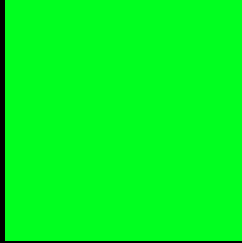
Large Text (above 18pt) WCAG AA × Fail

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 71.6243, 0.2978, 0.5922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

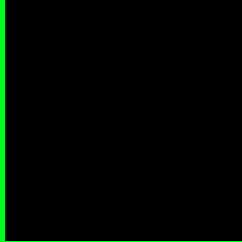
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

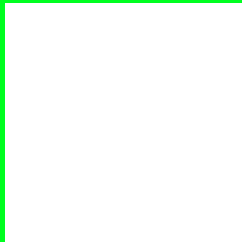
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6243, 0.2978, 0.5922

Background



This preview shows how black text looks on a background with the Yxy color 71.6243, 0.2978, 0.5922.



This preview shows how white text looks on a background with the Yxy color 71.6243, 0.2978, 0.5922.

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

71.6243, 0.2978, 0.5922

Protanopia

69.7827, 0.4397, 0.4855

Deuteranopia

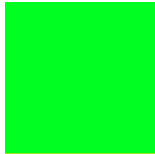
69.8621, 0.3961, 0.3978



Tritanopia

70.7883, 0.2379, 0.3062

Trichromacy



Original Color

71.6243, 0.2978, 0.5922



Protanomaly

64.3859, 0.3612, 0.5453



Deuteranomaly

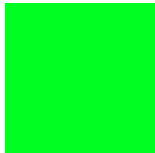
63.5988, 0.3417, 0.4849



Tritanomaly

68.5736, 0.2619, 0.4231

Monochromacy



Original Color

71.6243, 0.2978, 0.5922



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

40.4724, 0.2984, 0.4626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6243, 0.2978, 0.5922 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(0, 255, 32)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 32)  
}
```

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(0, 255, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 32) }
```

Border

The CSS property to change the border of an element to Yxy 71.6243, 0.2978, 0.5922 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(0, 255, 32) }
```

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

```
.border{ border-color:rgb(0, 255, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 32);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 32)  
}
```

Background

The CSS property to change the background color of an element to Yxy 71.6243, 0.2978, 0.5922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 32) }
```

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

```
.background{ background-color: rgb(0, 255,  
32) }
```

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