

Converting Colors

$Y_{xy}(71.7642, 0.3003, 0.5942)$

Have a look what the booklet for
Yxy(71.7642, 0.3003, 0.5942)
contains.

Yxy(71.7640, 0.3003, 0.5942)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.7640, 0.3003, 0.5942)

Conversions

Conversions Part 1

Format	Color
Hex	17FF17
RGB	23, 255, 23
RGB Percent	9%, 100%, 9%
CMY	0.9094, 0.0000, 0.9104
CMYK	0.91, 0.00, 0.91, 0.00
HSL	120°, 100%, 54%
HSV	120°, 91%, 100%
XYZ	36.2685, 71.7640, 12.7417
YIQ	159.1840, -63.8000, -121.3360

Conversions

Conversions Part 2

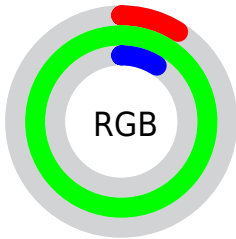
Format	Color
R _Y B	23, 255, 255
Decimal	1572631
CIE Lab	87.85, -84.99, 81.23
CIE LCh	88, 117.568, 136.294
Yxy	71.7640, 0.3003, 0.5942
Android (android.graphics.Color)	4279762711 (0xFF17FF17)
YUV	159.1840, -67.1387, -119.4334
Hunter-Lab	84.7136, -71.8276, 50.3818

Details

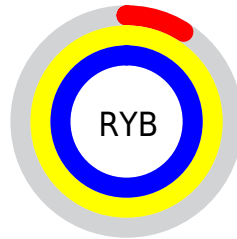
The Yxy color **71.7640, 0.3003, 0.5942** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **29.0362, 0.3205, 0.1564**, and the grayscale version is **35.1030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6869, 0.3151, 0.5221**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5219, 0.3000, 0.6000**, and if you desaturate by 10%, it is **72.3789, 0.3010, 0.5802**.

Distribution



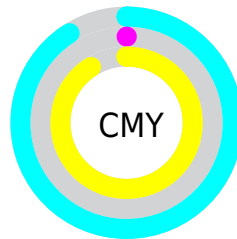
- Red (9%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





- Cyan (91%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7640, 0.3003, 0.5942 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 71.7640, 0.3003, 0.5942 by changing the saturation by 10% instead.

 71.7640, 0.3003,
0.5942


 71.7640, 0.3003,
0.5942


466.7198, 0.3188,
0.4627


 52.9659, 0.2923,
0.6239


 121.7209, 0.3097,
0.5483


 37.7756, 0.2804,
0.6593


 153.6486, 0.3125,
0.5303


 25.8085, 0.2625,
0.7012

 190.7215, 0.3145,
0.5150

 16.6805, 0.2379,
0.7580

 233.3242, 0.3160,
0.5016

 10.0069, 0.1949,
0.8051

 281.8410, 0.3170,
0.4900

 5.4036, 0.1368,
0.8632


 336.6562, 0.3178,


 2.4859, 0.0000,

0.4798


1.0000


398.1543, 0.3184,
0.4708


 0.8696, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.7640, 0.3003,
0.5942


 71.7640, 0.3003,
0.5942


 71.5219, 0.3000,
0.6000


 72.3789, 0.3010,
0.5802


 73.4703, 0.3021,
0.5573


 75.1097, 0.3035,
0.5273


 77.3563, 0.3051,
0.4926

 80.2614, 0.3068,
0.4564

 83.8711, 0.3085,
0.4209

 88.2273, 0.3100,
0.3877

 93.3685, 0.3114,
0.3579

 99.3307, 0.3126,
0.3315

Harmonies

Analogous

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



71.7640, 0.4173, 0.5523



71.7640, 0.3003, 0.5942



71.7640, 0.1917, 0.4882

Triad

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



71.7640, 0.3003, 0.5942



71.7640, 0.1193, 0.1523



71.7640, 0.5397, 0.2893

Complementary

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



71.7640, 0.3003, 0.5942



29.0362, 0.3205, 0.1564

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.



71.7640, 0.4122, 0.2193



71.7640, 0.3003, 0.5942



71.7640, 0.1707, 0.1451

Square

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



71.7640, 0.3003, 0.5942



71.7640, 0.1040, 0.1995



71.7640, 0.2693, 0.1682



71.7640, 0.5751, 0.3669

Rectangle

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



71.7640, 0.3003, 0.5942



71.7640, 0.1407, 0.3670



71.7640, 0.2693, 0.1682



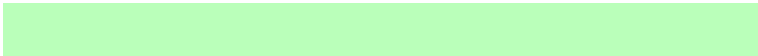
71.7640, 0.5047, 0.2648

Sweetspot

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



71.7647, 0.3003, 0.5942



85.5394, 0.3091, 0.4071



90.3973, 0.4205, 0.5006



18.0055, 0.3086, 0.4187



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.



71.7647, 0.3003, 0.5942



71.5219, 0.3000, 0.6000



73.4511, 0.2719, 0.4932



20.1692, 0.3116, 0.3536



37.3722, 0.3000, 0.6000



3.6391, 0.3001, 0.5999

Inverse Universe

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



29.0362, 0.3205, 0.1564



28.4246, 0.3206, 0.1540



23.8435, 0.4725, 0.2423



18.2993, 0.3138, 0.3056



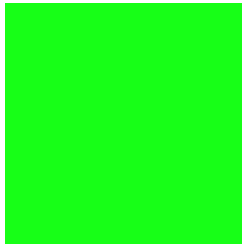
14.8530, 0.3206, 0.1540



1.4465, 0.3207, 0.1540

Previews

White Background



This preview shows how the Yxy color 71.7640, 0.3003, 0.5942 looks on a white background.

Color Contrast Check

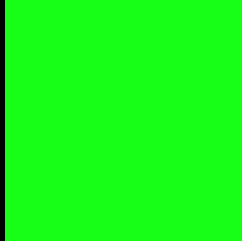
Large Text (above 18pt) WCAG AA × Fail

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 71.7640, 0.3003, 0.5942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

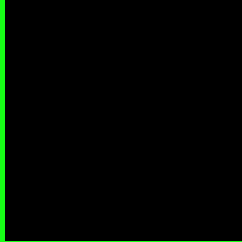
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

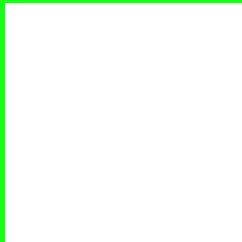
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7640, 0.3003, 0.5942

Background



This preview shows how black text looks on a background with the Yxy color 71.7640, 0.3003, 0.5942.



This preview shows how white text looks on a background with the Yxy color 71.7640, 0.3003, 0.5942.

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

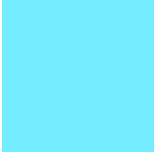
71.7640, 0.3003, 0.5942

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

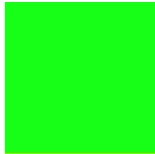
69.8621, 0.3961, 0.3978



Tritanopia

70.8557, 0.2382, 0.3063

Trichromacy



Original Color

71.7640, 0.3003, 0.5942



Protanomaly

65.7301, 0.3679, 0.5445



Deuteranomaly

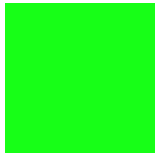
64.5162, 0.3497, 0.4846



Tritanomaly

68.8353, 0.2659, 0.4268

Monochromacy



Original Color

71.7640, 0.3003, 0.5942



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

43.0027, 0.3071, 0.4636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7640, 0.3003, 0.5942 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(23, 255, 23)` looks like.

```
.text, #text, p{  
    color:rgb(23, 255, 23)  
}
```

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(23, 255, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 255, 23) }
```

Border

The CSS property to change the border of an element to Yxy 71.7640, 0.3003, 0.5942 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(23, 255, 23) }
```

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

```
.border{ border-color:rgb(23, 255, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 255, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 255, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 255, 23);  
box-shadow:4px 4px 4px 4px rgb(23, 255,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7640, 0.3003, 0.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 255, 23) }
```

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

```
.background{ background-color: rgb(23, 255,  
23) }
```

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