

Converting Colors

$Y_{xy}(65.9907, 0.3074, 0.5872)$

Have a look what the booklet for
Yxy(65.9907, 0.3074, 0.5872)
contains.

Yxy(65.7637, 0.3076, 0.5871)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.7637, 0.3076, 0.5871)

Conversions

Conversions Part 1

Format	Color
Hex	3DF419
RGB	61, 244, 25
RGB Percent	24%, 96%, 10%
CMY	0.7603, 0.0431, 0.9020
CMYK	0.75, 0.00, 0.90, 0.04
HSL	110°, 91%, 53%
HSV	110°, 90%, 96%
XYZ	34.4557, 65.7637, 11.7951
YIQ	164.3170, -38.7690, -106.9050

Conversions

Conversions Part 2

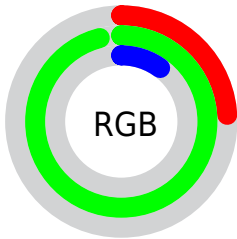
Format	Color
R _Y B	25, 244, 208
Decimal	4060185
CIE Lab	84.88, -78.29, 78.58
CIE LCh	85, 110.930, 134.895
Yxy	65.7637, 0.3076, 0.5871
Android (android.graphics.Color)	4282250265 (0xFF3DF419)
YUV	164.3170, -68.6833, -90.6090
Hunter-Lab	81.0948, -66.0747, 48.1427

Details

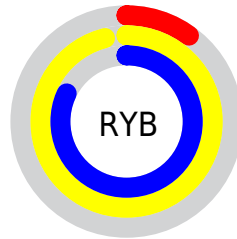
The Yxy color **65.7637, 0.3076, 0.5871** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **20.6155, 0.2832, 0.1369**, and the grayscale version is **37.6473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7014, 0.3222, 0.5190**, and **35.1178, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.1680, 0.3044, 0.5964**, and if you desaturate by 10%, it is **66.6966, 0.3108, 0.5703**.

Distribution



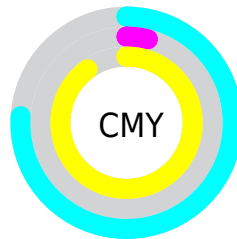
- Red (24%)
- Green (96%)
- Blue (10%)



- Red (10%)
- Yellow (96%)
- Blue (82%)



- Cyan (75%)
- Magenta (0%)
- Yellow (90%)
- Black (4%)




- Cyan (76%)
- Magenta (4%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7637, 0.3076, 0.5871 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 65.7637, 0.3076, 0.5871 by changing the saturation by 10% instead.

 65.7637, 0.3076,
0.5871

 65.7637, 0.3076,
0.5871


 445.5313, 0.3223,
0.4578


 48.0806, 0.3002,
0.6166


 113.1471, 0.3158,
0.5416


 33.8907, 0.2889,
0.6520


 143.6162, 0.3181,
0.5240


 22.8097, 0.2714,
0.6942


 179.1161, 0.3196,
0.5088

 14.4530, 0.2471,
0.7529

 220.0312, 0.3207,
0.4958

 8.4364, 0.2017,
0.7983

 266.7459, 0.3214,
0.4844

 4.3755, 0.1390,
0.8610

 319.6445, 0.3219,

 1.8857, 0.0000,

0.4744

1.0000

379.1115, 0.3222,
0.4656

■ 0.5398, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.7637, 0.3076,
0.5871

■ 65.7637, 0.3076,
0.5871

■ 65.1680, 0.3044,
0.5964


■ 66.6966, 0.3108,
0.5703


■ 65.1569, 0.3043,
0.5966

■ 68.0088, 0.3134,
0.5460

■ 69.7408, 0.3153,
0.5159

■ 71.9252, 0.3163,
0.4825

 74.5915, 0.3166,
0.4479

 77.7667, 0.3162,
0.4143

 81.4757, 0.3153,
0.3827

 85.7418, 0.3141,
0.3540

 90.5867, 0.3127,
0.3284

Harmonies

Analogous

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



65.7637, 0.4222, 0.5444



65.7637, 0.3076, 0.5871



65.7637, 0.1997, 0.4907

Triad

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



65.7637, 0.3076, 0.5871



65.7637, 0.1215, 0.1571



65.7637, 0.5294, 0.2876

Complementary

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



65.7637, 0.3076, 0.5871



20.6155, 0.2832, 0.1369

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.



65.7637, 0.4029, 0.2190



65.7637, 0.3076, 0.5871



65.7637, 0.1704, 0.1482

Square

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



65.7637, 0.3076, 0.5871



65.7637, 0.1079, 0.2065



65.7637, 0.2650, 0.1697



65.7637, 0.5699, 0.3642

Rectangle

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



65.7637, 0.3076, 0.5871



65.7637, 0.1476, 0.3744



65.7637, 0.2650, 0.1697



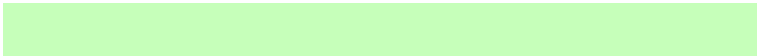
65.7637, 0.4940, 0.2635

Sweetspot

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



65.7665, 0.3076, 0.5871



87.0109, 0.3160, 0.4055



64.1690, 0.4464, 0.4780



18.3412, 0.3162, 0.4166



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.



65.7665, 0.3076, 0.5871



72.0138, 0.3042, 0.5967



65.7885, 0.2838, 0.5342



18.6033, 0.3140, 0.3533



35.4679, 0.3050, 0.5961



3.1545, 0.3120, 0.5904

Inverse Universe

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



20.6155, 0.2832, 0.1369



21.3549, 0.2787, 0.1309



22.8672, 0.4150, 0.2109



16.6218, 0.3111, 0.3055



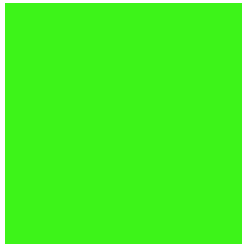
10.5632, 0.2795, 0.1313



0.9644, 0.2850, 0.1343

Previews

White Background



This preview shows how the Yxy color 65.7637, 0.3076, 0.5871 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 65.7637, 0.3076, 0.5871 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 65.7637, 0.3076, 0.5871

Background



This preview shows how black text looks on a background with the Yxy color 65.7637, 0.3076, 0.5871.



This preview shows how white text looks on a background with the Yxy color 65.7637, 0.3076, 0.5871.

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

65.7637, 0.3076, 0.5871

Protanopia

64.1131, 0.4407, 0.4870

Deuteranopia

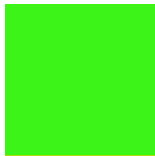
64.0739, 0.4275, 0.4232



Tritanopia

65.2437, 0.2405, 0.3068

Trichromacy



Original Color

65.7637, 0.3076, 0.5871



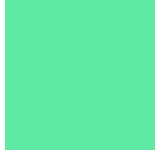
Protanomaly

61.1585, 0.3793, 0.5340



Deuteranomaly

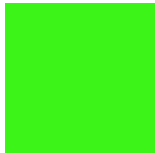
60.3519, 0.3748, 0.4926



Tritanomaly

63.4812, 0.2718, 0.4234

Monochromacy



Original Color

65.7637, 0.3076, 0.5871



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.8442, 0.3172, 0.4515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7637, 0.3076, 0.5871 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, 244, 25)` looks like.

```
.text, #text, p{  
    color:rgb(61, 244, 25)  
}
```

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, 244, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 244, 25) }
```

Border

The CSS property to change the border of an element to Yxy 65.7637, 0.3076, 0.5871 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, 244, 25) }
```

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

```
.border{ border-color:rgb(61, 244, 25) }
```

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

Here you see how a box with a 4 pixel rgb(61, 244, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 244, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 244, 25);  
box-shadow:4px 4px 4px 4px rgb(61, 244,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7637, 0.3076, 0.5871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 244, 25) }
```

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

```
.background{ background-color: rgb(61, 244,  
25) }
```

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