

Converting Colors

Yxy(70.9323, 0.3051, 0.5848)

Have a look what the booklet for
Yxy(70.9323, 0.3051, 0.5848)
contains.

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Color

Yxy(70.6417, 0.3052, 0.5849)

Conversions

Conversions Part 1

Format	Color
Hex	3AFC23
RGB	58, 252, 35
RGB Percent	23%, 99%, 14%
CMY	0.7722, 0.0118, 0.8632
CMYK	0.77, 0.00, 0.86, 0.01
HSL	114°, 97%, 56%
HSV	114°, 86%, 99%
XYZ	36.8607, 70.6417, 13.2732
YIQ	169.2560, -45.9670, -108.6150

Conversions

Conversions Part 2

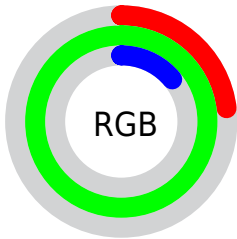
Format	Color
RYB	35, 252, 229
Decimal	3865635
CIELab	87.31, -80.68, 78.95
CIELCh	87, 112.885, 135.620
Yxy	70.6417, 0.3052, 0.5849
Android (android.graphics.Color)	4282055715 (0xFF3AFC23)
YUV	169.2560, -66.1882, -97.5715
Hunter-Lab	84.0486, -68.8013, 49.4708

Details

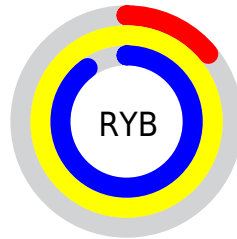
The Yxy color **70.6417, 0.3052, 0.5849** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **24.8520, 0.2975, 0.1466**, and the grayscale version is **40.1682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8378, 0.3196, 0.5122**, and **38.5836, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **70.0106, 0.3028, 0.5958**, and if you desaturate by 10%, it is **71.6805, 0.3076, 0.5656**.

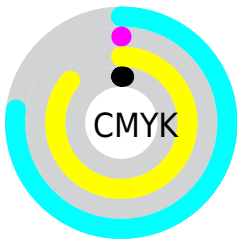
Distribution



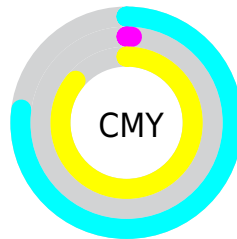
- Red (23%)
- Green (99%)
- Blue (14%)



- Red (14%)
- Yellow (99%)
- Blue (90%)



- Cyan (77%)
- Magenta (0%)
- Yellow (86%)
- Black (1%)



- Cyan (77%)
- Magenta (1%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6417, 0.3052, 0.5849 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 70.6417, 0.3052, 0.5849 by changing the saturation by 10% instead.


 70.6417, 0.3052,
0.5849


 70.6417, 0.3052,
0.5849


462.7999, 0.3206,
0.4579

 52.0499, 0.2980,
0.6137


 120.1234, 0.3134,
0.5404

 37.0448, 0.2872,
0.6483


 151.7821, 0.3158,
0.5231


 25.2422, 0.2707,
0.6896


 188.5651, 0.3174,
0.5082

 16.2576, 0.2472,
0.7444

 230.8569, 0.3186,
0.4954

 9.7066, 0.2062,
0.7938

 279.0419, 0.3194,
0.4842

 5.2049, 0.1482,
0.8518

333.5045, 0.3200,

 2.3680, 0.0000,

0.4743

1.0000

394.6290, 0.3204,
0.4656

■ 0.8093, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.6417, 0.3052,
0.5849

■ 70.6417, 0.3052,
0.5849

■ 70.0106, 0.3028,
0.5958

■ 71.6805, 0.3076,
0.5656


■ 69.8538, 0.3020,
0.5984


■ 73.1719, 0.3098,
0.5388


■ 75.1644, 0.3115,
0.5067


■ 77.6976, 0.3126,
0.4720

 80.8074, 0.3133,
0.4369

 84.5263, 0.3135,
0.4033

 88.8846, 0.3134,
0.3723

 93.9104, 0.3130,
0.3445

 98.1020, 0.3128,
0.3262

Harmonies

Analogous

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



70.6417, 0.4194, 0.5455



70.6417, 0.3052, 0.5849



70.6417, 0.1982, 0.4856

Triad

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



70.6417, 0.3052, 0.5849



70.6417, 0.1230, 0.1573



70.6417, 0.5303, 0.2897

Complementary

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



70.6417, 0.3052, 0.5849



24.8520, 0.2975, 0.1466

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.



70.6417, 0.4059, 0.2210



70.6417, 0.3052, 0.5849



70.6417, 0.1728, 0.1491

Square

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



70.6417, 0.3052, 0.5849



70.6417, 0.1087, 0.2054



70.6417, 0.2682, 0.1712



70.6417, 0.5683, 0.3664

Rectangle

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



70.6417, 0.3052, 0.5849



70.6417, 0.1471, 0.3701



70.6417, 0.2682, 0.1712



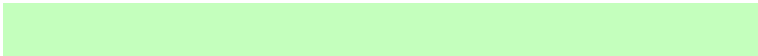
70.6417, 0.4958, 0.2656

Sweetspot

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



70.6446, 0.3052, 0.5849



86.8874, 0.3135, 0.4028



75.5758, 0.4348, 0.4845



18.2978, 0.3135, 0.4142



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.



70.6446, 0.3052, 0.5849



71.7562, 0.3020, 0.5984



71.2883, 0.2791, 0.5130



19.3979, 0.3132, 0.3534



36.4166, 0.3025, 0.5980



3.4011, 0.3076, 0.5940

Inverse Universe

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



24.8520, 0.2975, 0.1466



23.6760, 0.2936, 0.1391



24.7479, 0.4263, 0.2204



17.4249, 0.3121, 0.3055



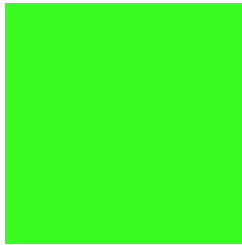
12.0462, 0.2941, 0.1394



1.1419, 0.2975, 0.1413

Previews

White Background



This preview shows how the Yxy color 70.6417, 0.3052, 0.5849 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 70.6417, 0.3052, 0.5849 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 70.6417, 0.3052, 0.5849

Background



This preview shows how black text looks on a background with the Yxy color 70.6417, 0.3052, 0.5849.

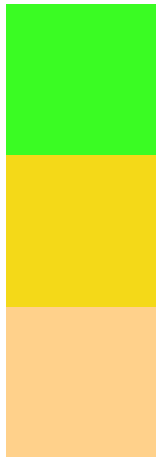


This preview shows how white text looks on a background with the Yxy color 70.6417, 0.3052, 0.5849.

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

70.6417, 0.3052, 0.5849

Protanopia

68.9248, 0.4383, 0.4851

Deuteranopia

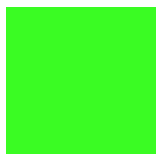
68.7250, 0.4006, 0.4007



Tritanopia

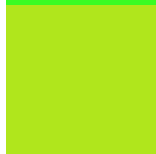
69.7194, 0.2393, 0.3062

Trichromacy



Original Color

70.6417, 0.3052, 0.5849



Protanomaly

65.9076, 0.3752, 0.5328



Deuteranomaly

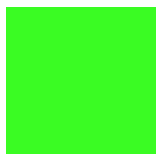
64.8573, 0.3591, 0.4772



Tritanomaly

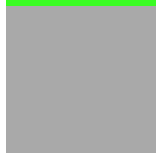
68.4534, 0.2689, 0.4191

Monochromacy



Original Color

70.6417, 0.3052, 0.5849



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

46.8700, 0.3136, 0.4471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6417, 0.3052, 0.5849 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(58, 252, 35)` looks like.

```
.text, #text, p{  
    color:rgb(58, 252, 35)  
}
```

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(58, 252, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 252, 35) }
```

Border

The CSS property to change the border of an element to Yxy 70.6417, 0.3052, 0.5849 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(58, 252, 35) }
```

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

```
.border{ border-color:rgb(58, 252, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 252, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 252, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 252, 35);  
box-shadow:4px 4px 4px 4px rgb(58, 252,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6417, 0.3052, 0.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 252, 35) }
```

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

```
.background{ background-color: rgb(58, 252,  
35) }
```

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](#).

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