

Converting Colors

Yxy(60.7321, 0.3168, 0.5809)

Have a look what the booklet for
Yxy(60.7321, 0.3168, 0.5809)
contains.

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Color

Yxy(60.7388, 0.3168, 0.5809)

Conversions

Conversions Part 1

Format	Color
Hex	53EA15
RGB	83, 234, 21
RGB Percent	33%, 92%, 8%
CMY	0.6746, 0.0823, 0.9168
CMYK	0.65, 0.00, 0.91, 0.08
HSL	103°, 84%, 50%
HSV	103°, 91%, 92%
XYZ	33.1246, 60.7388, 10.6965
YIQ	164.5690, -21.6230, -98.2550

Conversions

Conversions Part 2

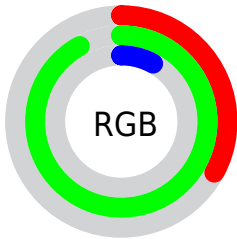
Format	Color
R _Y B	21, 234, 172
Decimal	5499413
CIE Lab	82.24, -71.58, 77.09
CIE LCh	82, 105.198, 132.875
Yxy	60.7388, 0.3168, 0.5809
Android (android.graphics.Color)	4283689493 (0xFF53EA15)
YUV	164.5690, -70.7795, -71.5360
Hunter-Lab	77.9351, -60.5190, 46.4171

Details

The Yxy color **60.7388, 0.3168, 0.5809** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **15.2833, 0.2543, 0.1207**, and the grayscale version is **37.7704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8122, 0.3306, 0.5174**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.0749, 0.3124, 0.5901**, and if you desaturate by 10%, it is **61.7206, 0.3210, 0.5646**.

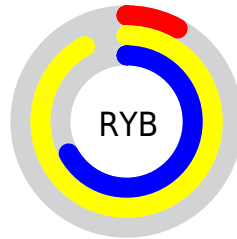
Distribution



Red (33%)

Green (92%)

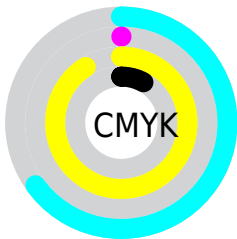
Blue (8%)



Red (8%)

Yellow (92%)

Blue (67%)

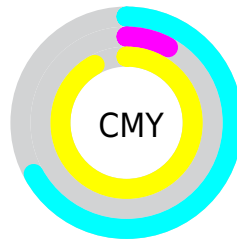


Cyan (65%)

Magenta (0%)

Yellow (91%)

Black (8%)



Cyan (67%)


Magenta (8%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.7388, 0.3168, 0.5809 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 60.7388, 0.3168, 0.5809 by changing the saturation by 10% instead.


 60.7388, 0.3168,
0.5809


 60.7388, 0.3168,
0.5809


427.3156, 0.3270,
0.4539

 44.0144, 0.3102,
0.6101


 105.9006, 0.3236,
0.5361


 30.6818, 0.2997,
0.6450


 135.1069, 0.3252,
0.5187


 20.3567, 0.2827,
0.6867


 169.2425, 0.3262,
0.5039

 12.6546, 0.2577,
0.7423

 208.6920, 0.3268,
0.4911

 7.1911, 0.2114,
0.7886

 253.8396, 0.3271,
0.4799

 3.5819, 0.1420,
0.8580

 305.0698, 0.3272,

 1.4426, 0.0000,

0.4702

1.0000

362.7671, 0.3272,
0.4616

■ 0.2478, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.7388, 0.3168,
0.5809

■ 60.7388, 0.3168,
0.5809

■ 60.0749, 0.3124,
0.5901


■ 61.7206, 0.3210,
0.5646


■ 62.9921, 0.3240,
0.5415

■ 64.5811, 0.3256,
0.5132


■ 66.5098, 0.3256,
0.4816

 68.7982, 0.3245,
0.4487

 71.4646, 0.3224,
0.4162

 74.5257, 0.3196,
0.3854

 77.9977, 0.3164,
0.3570

 81.8953, 0.3130,
0.3313

Harmonies

Analogous

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



60.7388, 0.4289, 0.5353



60.7388, 0.3168, 0.5809



60.7388, 0.2091, 0.4961

Triad

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



60.7388, 0.3168, 0.5809



60.7388, 0.1228, 0.1623



60.7388, 0.5178, 0.2842

Complementary

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



60.7388, 0.3168, 0.5809



15.2833, 0.2543, 0.1207

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.



60.7388, 0.3912, 0.2172



60.7388, 0.3168, 0.5809



60.7388, 0.1687, 0.1510

Square

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



60.7388, 0.3168, 0.5809



60.7388, 0.1117, 0.2148



60.7388, 0.2585, 0.1703



60.7388, 0.5648, 0.3598

Rectangle

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



60.7388, 0.3168, 0.5809



60.7388, 0.1555, 0.3849



60.7388, 0.2585, 0.1703



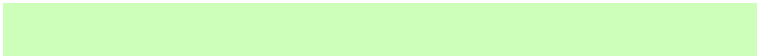
60.7388, 0.4815, 0.2605

Sweetspot

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



60.7414, 0.3168, 0.5809



88.2122, 0.3214, 0.4043



46.3600, 0.4755, 0.4547



18.6183, 0.3223, 0.4150



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.



60.7414, 0.3168, 0.5809



72.9761, 0.3121, 0.5904



59.3782, 0.2928, 0.5671



17.0739, 0.3159, 0.3530



33.8127, 0.3134, 0.5894



2.7028, 0.3235, 0.5813

Inverse Universe

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



15.2833, 0.2543, 0.1207



17.0430, 0.2472, 0.1136



21.8186, 0.3734, 0.1866



15.0815, 0.3092, 0.3055



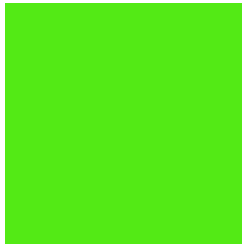
7.9667, 0.2487, 0.1144



0.6744, 0.2590, 0.1200

Previews

White Background



This preview shows how the Yxy color 60.7388, 0.3168, 0.5809 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 60.7388, 0.3168, 0.5809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

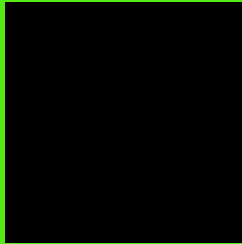
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

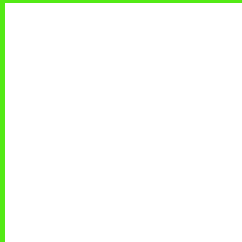
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.7388, 0.3168, 0.5809

Background



This preview shows how black text looks on a background with the Yxy color 60.7388, 0.3168, 0.5809.



This preview shows how white text looks on a background with the Yxy color 60.7388, 0.3168, 0.5809.

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

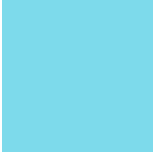
60.7388, 0.3168, 0.5809

Protanopia

59.3699, 0.4411, 0.4880

Deuteranopia

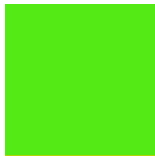
59.2163, 0.4617, 0.4502



Tritanopia

60.5009, 0.2466, 0.3075

Trichromacy



Original Color

60.7388, 0.3168, 0.5809



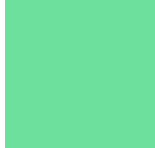
Protanomaly

57.3408, 0.3873, 0.5289



Deuteranomaly

55.9922, 0.4004, 0.5044



Tritanomaly

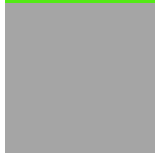
59.0606, 0.2809, 0.4235

Monochromacy



Original Color

60.7388, 0.3168, 0.5809



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

43.1701, 0.3240, 0.4457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.7388, 0.3168, 0.5809 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(83, 234, 21)` looks like.

```
.text, #text, p{  
    color:rgb(83, 234, 21)  
}
```

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(83, 234, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 234, 21) }
```

Border

The CSS property to change the border of an element to Yxy 60.7388, 0.3168, 0.5809 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(83, 234, 21) }
```

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

```
.border{ border-color:rgb(83, 234, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 234, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 234, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 234, 21);  
box-shadow:4px 4px 4px 4px rgb(83, 234,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 60.7388, 0.3168, 0.5809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 234, 21) }
```

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

```
.background{ background-color: rgb(83, 234,  
21) }
```

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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