

Converting Colors

$Yxy(75.1647, 0.3186, 0.5567)$

Have a look what the booklet for
Yxy(75.1647, 0.3186, 0.5567)
contains.

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Color

Yxy(75.1828, 0.3189, 0.5567)

Conversions

Conversions Part 1

Format	Color
Hex	6EFF3E
RGB	110, 255, 62
RGB Percent	43%, 100%, 24%
CMY	0.5683, 0.0000, 0.7568
CMYK	0.57, 0.00, 0.76, 0.00
HSL	105°, 100%, 62%
HSV	105°, 76%, 100%
XYZ	43.0677, 75.1828, 16.8003
YIQ	189.6430, -24.4670, -90.7630

Conversions

Conversions Part 2

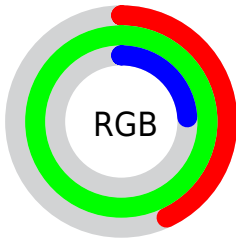
Format	Color
RYB	62, 255, 207
Decimal	7274302
CIELab	89.48, -70.61, 74.59
CIElCh	89, 102.710, 133.431
Yxy	75.1828, 0.3189, 0.5567
Android (android.graphics.Color)	4285464382 (0xFF6EFF3E)
YUV	189.6430, -62.9280, -69.8469
Hunter-Lab	86.7080, -63.0784, 49.2077

Details

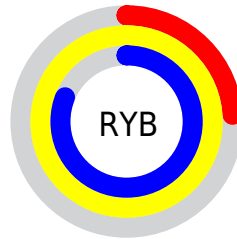
The Yxy color **75.1828, 0.3189, 0.5567** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **23.9219, 0.2736, 0.1439**, and the grayscale version is **51.6702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9238, 0.3339, 0.4822**, and **40.1392, 0.3032, 0.5975** is the 20% darker color. If you saturate the color by 10%, you get **73.8691, 0.3153, 0.5766**, and if you desaturate by 10%, it is **76.8995, 0.3213, 0.5303**.

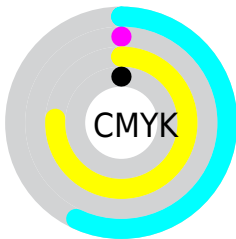
Distribution



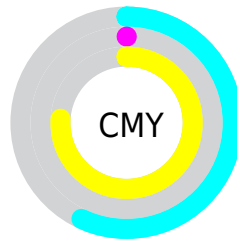
- Red (43%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (81%)



- Cyan (57%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.1828, 0.3189, 0.5567 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 75.1828, 0.3189, 0.5567 by changing the saturation by 10% instead.


 75.1828, 0.3189,
0.5567


 75.1828, 0.3189,
0.5567


478.5456, 0.3256,
0.4454

 55.7627, 0.3145,
0.5819


 126.5711, 0.3235,
0.5179

 40.0127, 0.3074,
0.6123


 159.3080, 0.3246,
0.5027


 27.5484, 0.2961,
0.6490


 197.2527, 0.3253,
0.4897

 17.9855, 0.2778,
0.6933

 240.7895, 0.3256,
0.4785

 10.9396, 0.2496,
0.7504

 290.3028, 0.3258,
0.4686

 6.0262, 0.1993,
0.8007

346.1770, 0.3258,

 2.8610, 0.1023,

0.4600

0.8977

408.7964, 0.3257,
0.4523

■ 1.0596, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.1828, 0.3189,
0.5567

■ 75.1828, 0.3189,
0.5567

■ 73.8691, 0.3153,
0.5766

■ 76.8995, 0.3213,
0.5303


■ 72.9114, 0.3109,
0.5892


■ 79.0416, 0.3224,
0.4994

■ 72.5915, 0.3090,
0.5928

■ 81.6407, 0.3223,
0.4663

■ 84.7225, 0.3212,
0.4328

 88.3108, 0.3193,
0.4005

 92.4278, 0.3169,
0.3705

 97.0942, 0.3143,
0.3432

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



75.1828, 0.4237, 0.5240



75.1828, 0.3189, 0.5567



75.1828, 0.2177, 0.4762

Triad

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



75.1828, 0.3189, 0.5567



75.1828, 0.1350, 0.1735



75.1828, 0.5016, 0.2908

Complementary

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



75.1828, 0.3189, 0.5567



23.9219, 0.2736, 0.1439

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.



75.1828, 0.3876, 0.2265



75.1828, 0.3189, 0.5567



75.1828, 0.1800, 0.1624

Square

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



75.1828, 0.3189, 0.5567



75.1828, 0.1243, 0.2238



75.1828, 0.2656, 0.1812



75.1828, 0.5455, 0.3638

Rectangle

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



75.1828, 0.3189, 0.5567



75.1828, 0.1670, 0.3781



75.1828, 0.2656, 0.1812



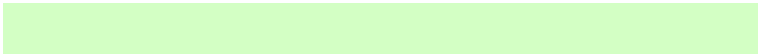
75.1828, 0.4688, 0.2680

Sweetspot

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



75.1860, 0.3189, 0.5567



89.3642, 0.3187, 0.3922



66.1125, 0.4457, 0.4578



18.8264, 0.3195, 0.4035



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.



75.1860, 0.3189, 0.5567



73.3199, 0.3130, 0.5842



73.6738, 0.2874, 0.5219



20.3866, 0.3153, 0.3533



37.9903, 0.3100, 0.5921



3.7478, 0.3176, 0.5860

Inverse Universe

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



23.9219, 0.2736, 0.1439



19.7284, 0.2633, 0.1253



29.1991, 0.3736, 0.2013



18.0592, 0.3098, 0.3053



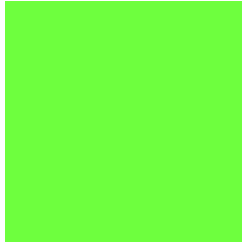
9.6672, 0.2585, 0.1197



0.9926, 0.2659, 0.1238

Previews

White Background



This preview shows how the Yxy color 75.1828, 0.3189, 0.5567 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 75.1828, 0.3189, 0.5567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

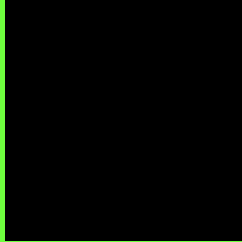
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

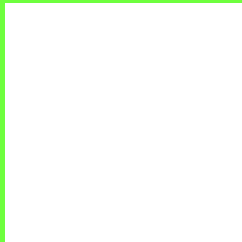
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.1828, 0.3189, 0.5567

Background



This preview shows how black text looks on a background with the Yxy color 75.1828, 0.3189, 0.5567.

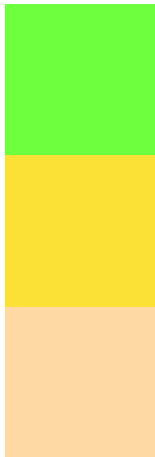


This preview shows how white text looks on a background with the Yxy color 75.1828, 0.3189, 0.5567.

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

75.1828, 0.3189, 0.5567

Protanopia

74.0869, 0.4317, 0.4766

Deuteranopia

73.5660, 0.3793, 0.3835



Tritanopia

74.5607, 0.2542, 0.3084

Trichromacy



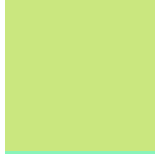
Original Color

75.1828, 0.3189, 0.5567



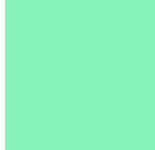
Protanomaly

71.9914, 0.3844, 0.5100



Deuteranomaly

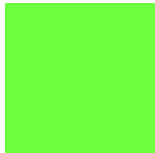
71.2407, 0.3574, 0.4485



Tritanomaly

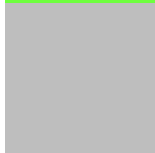
73.5225, 0.2820, 0.4032

Monochromacy



Original Color

75.1828, 0.3189, 0.5567



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.6534, 0.3209, 0.4234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1828, 0.3189, 0.5567 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(110, 255, 62)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 62)  
}
```

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(110, 255, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 62) }
```

Border

The CSS property to change the border of an element to Yxy 75.1828, 0.3189, 0.5567 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(110, 255, 62) }
```

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

```
.border{ border-color:rgb(110, 255, 62) }
```

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

Here you see how a box with a 4 pixel rgb(110, 255, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 62);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1828, 0.3189, 0.5567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 62) }
```

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

```
.background{ background-color: rgb(110,  
255, 62) }
```

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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