

Converting Colors

Yxy(58.4503, 0.3420, 0.5568)

Have a look what the booklet for
Yxy(58.4503, 0.3420, 0.5568)
contains.

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Color

Yxy(58.4562, 0.3421, 0.5568)

Conversions

Conversions Part 1

Format	Color
Hex	7FE11E
RGB	127, 225, 30
RGB Percent	50%, 88%, 12%
CMY	0.5018, 0.1176, 0.8826
CMYK	0.44, 0.00, 0.87, 0.12
HSL	90°, 77%, 50%
HSV	90°, 87%, 88%
XYZ	35.9157, 58.4562, 10.6141
YIQ	173.4680, 4.1870, -81.4210

Conversions

Conversions Part 2

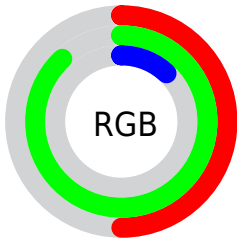
Format	Color
RYB	30, 225, 128
Decimal	8380702
CIELab	80.99, -56.59, 75.18
CIELCh	81, 94.097, 126.968
Yxy	58.4562, 0.3421, 0.5568
Android (android.graphics.Color)	4286570782 (0xFF7FE11E)
YUV	173.4680, -70.7297, -40.7524
Hunter-Lab	76.4567, -49.9483, 45.2887

Details

The Yxy color **58.4562, 0.3421, 0.5568** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **10.9440, 0.2164, 0.1032**, and the grayscale version is **42.4110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9479, 0.3527, 0.5009**, and **29.4659, 0.3222, 0.5824** is the 20% darker color. If you saturate the color by 10%, you get **57.5617, 0.3372, 0.5687**, and if you desaturate by 10%, it is **59.5345, 0.3450, 0.5392**.

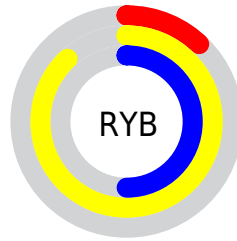
Distribution



Red (50%)

Green (88%)

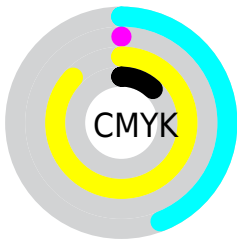
Blue (12%)



Red (12%)

Yellow (88%)

Blue (50%)

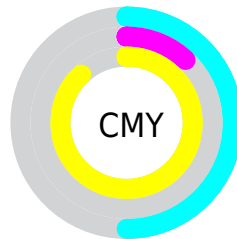


Cyan (44%)

Magenta (0%)

Yellow (87%)

Black (12%)



Cyan (50%)


Magenta (12%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4562, 0.3421, 0.5568 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 58.4562, 0.3421, 0.5568 by changing the saturation by 10% instead.


 58.4562, 0.3421,
0.5568

 58.4562, 0.3421,
0.5568


418.8837, 0.3388,
0.4435


 42.1755, 0.3389,
0.5824


 102.5869, 0.3439,
0.5171

 29.2388, 0.3325,
0.6130


 131.2057, 0.3437,
0.5017


 19.2615, 0.3207,
0.6492


 164.7060, 0.3431,
0.4884

 11.8594, 0.3023,
0.6977

 203.4722, 0.3424,
0.4769

 6.6480, 0.2624,
0.7376

 247.8886, 0.3415,
0.4669

 3.2430, 0.2033,
0.7967

 298.3398, 0.3406,

 1.2599, 0.0000,

0.4582

1.0000

355.2100, 0.3397,
0.4504

■ 0.1098, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4562, 0.3421,
0.5568

■ 58.4562, 0.3421,
0.5568

■ 57.5617, 0.3372,
0.5687


■ 59.5345, 0.3450,
0.5392

■ 57.2949, 0.3354,
0.5719


■ 60.8074, 0.3457,
0.5164


■ 62.2924, 0.3442,
0.4897


■ 64.0027, 0.3409,
0.4605

 65.9502, 0.3361,
0.4304

 68.1456, 0.3303,
0.4007

 70.5990, 0.3239,
0.3722

 73.3198, 0.3172,
0.3456

 76.3170, 0.3105,
0.3212

Harmonies

Analogous

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



58.4562, 0.4444, 0.5080



58.4562, 0.3421, 0.5568



58.4562, 0.2380, 0.5025

Triad

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



58.4562, 0.3421, 0.5568



58.4562, 0.1304, 0.1809



58.4562, 0.4806, 0.2762

Complementary

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



58.4562, 0.3421, 0.5568



10.9440, 0.2164, 0.1032

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.



58.4562, 0.3596, 0.2151



58.4562, 0.3421, 0.5568



58.4562, 0.1675, 0.1625

Square

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



58.4562, 0.3421, 0.5568



58.4562, 0.1268, 0.2419



58.4562, 0.2437, 0.1752



58.4562, 0.5427, 0.3477

Rectangle

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



58.4562, 0.3421, 0.5568



58.4562, 0.1817, 0.4103



58.4562, 0.2437, 0.1752



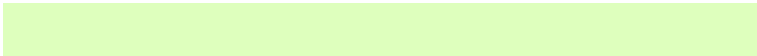
58.4562, 0.4437, 0.2541

Sweetspot

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



58.4587, 0.3421, 0.5568



90.6638, 0.3300, 0.3992



31.4022, 0.5152, 0.4155



19.1786, 0.3321, 0.4094



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.



58.4587, 0.3421, 0.5568



76.0269, 0.3350, 0.5722



54.2189, 0.3005, 0.5884



15.6706, 0.3190, 0.3527



33.0855, 0.3365, 0.5710



2.3465, 0.3483, 0.5617

Inverse Universe

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



10.9440, 0.2164, 0.1032



11.8144, 0.2008, 0.0880



22.3695, 0.3207, 0.1590



13.5798, 0.3059, 0.3053



5.2252, 0.2031, 0.0892



0.4154, 0.2198, 0.0985

Previews

White Background



This preview shows how the Yxy color 58.4562, 0.3421, 0.5568 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 58.4562, 0.3421, 0.5568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

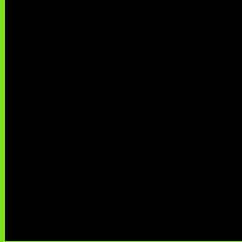
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4562, 0.3421, 0.5568

Background



This preview shows how black text looks on a background with the Yxy color 58.4562, 0.3421, 0.5568.



This preview shows how white text looks on a background with the Yxy color 58.4562, 0.3421, 0.5568.

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

58.4562, 0.3421, 0.5568

Protanopia

57.3740, 0.4382, 0.4849

Deuteranopia

57.5932, 0.4603, 0.4506



Tritanopia

57.9619, 0.2647, 0.3078

Trichromacy



Original Color

58.4562, 0.3421, 0.5568



Protanomaly

56.4899, 0.3998, 0.5137



Deuteranomaly

56.0231, 0.4144, 0.4910



Tritanomaly

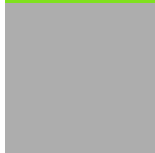
56.8967, 0.3014, 0.4111

Monochromacy



Original Color

58.4562, 0.3421, 0.5568



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.1477, 0.3357, 0.4303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4562, 0.3421, 0.5568 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(127, 225, 30)` looks like.

```
.text, #text, p{  
    color:rgb(127, 225, 30)  
}
```

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(127, 225, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 225, 30) }
```

Border

The CSS property to change the border of an element to Yxy 58.4562, 0.3421, 0.5568 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(127, 225, 30) }
```

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

```
.border{ border-color:rgb(127, 225, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 225, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 225, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 225, 30);  
box-shadow:4px 4px 4px 4px rgb(127, 225,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4562, 0.3421, 0.5568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 225, 30) }
```

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

```
.background{ background-color: rgb(127,  
225, 30) }
```

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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