

Converting Colors

$Y_{xy}(62.0885, 0.3340, 0.5679)$

Have a look what the booklet for
Yxy(62.0885, 0.3340, 0.5679)
contains.

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Color

Yxy(62.0413, 0.3339, 0.5680)

Conversions

Conversions Part 1

Format	Color
Hex	74E914
RGB	116, 233, 20
RGB Percent	45%, 91%, 8%
CMY	0.5450, 0.0863, 0.9215
CMYK	0.50, 0.00, 0.91, 0.09
HSL	93°, 84%, 50%
HSV	93°, 91%, 91%
XYZ	36.4711, 62.0413, 10.7152
YIQ	173.7350, -1.3590, -91.0470

Conversions

Conversions Part 2

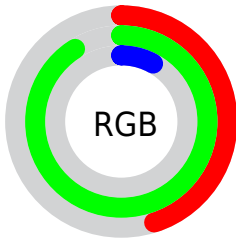
Format	Color
R_{YB}	20, 233, 137
Decimal	7661844
CIE _{Lab}	82.94, -63.11, 78.24
CIE _{LCh}	83, 100.522, 128.890
Yxy	62.0413, 0.3339, 0.5680
Android (android.graphics.Color)	4285851924 (0xFF74E914)
YUV	173.7350, -75.7914, -50.6336
Hunter-Lab	78.7663, -55.1903, 47.0707

Details

The Yxy color **62.0413, 0.3339, 0.5680** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **11.7026, 0.2198, 0.1018**, and the grayscale version is **42.5886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7931, 0.3479, 0.5069**, and **31.6315, 0.3112, 0.5911** is the 20% darker color. If you saturate the color by 10%, you get **61.2833, 0.3292, 0.5769**, and if you desaturate by 10%, it is **63.1087, 0.3381, 0.5527**.

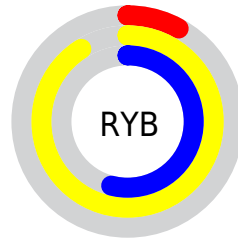
Distribution



Red (45%)

Green (91%)

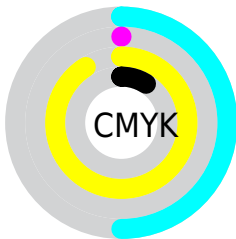
Blue (8%)



Red (8%)

Yellow (91%)

Blue (54%)

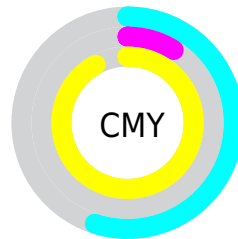


Cyan (50%)

Magenta (0%)

Yellow (91%)

Black (9%)



Cyan (55%)


Magenta (9%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.0413, 0.3339, 0.5680 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 62.0413, 0.3339, 0.5680 by changing the saturation by 10% instead.


 62.0413, 0.3339,
0.5680

 62.0413, 0.3339,
0.5680


432.0817, 0.3355,
0.4497


 45.0661, 0.3294,
0.5945


 107.7852, 0.3376,
0.5267

 31.5095, 0.3216,
0.6261

 137.3227, 0.3381,
0.5106


 20.9871, 0.3080,
0.6632


 171.8164, 0.3381,
0.4968

 13.1146, 0.2875,
0.7125

 211.6507, 0.3378,
0.4848

 7.5075, 0.2465,
0.7535

 257.2100, 0.3373,
0.4743

 3.7815, 0.1876,
0.8124

 308.8786, 0.3368,

 1.5521, 0.0000,

0.4651

1.0000

367.0411, 0.3362,
0.4569

■ 0.3250, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.0413, 0.3339,
0.5680

■ 62.0413, 0.3339,
0.5680


■ 61.2833, 0.3292,
0.5769

■ 63.1087, 0.3381,
0.5527


■ 64.3967, 0.3404,
0.5316


■ 65.9267, 0.3405,
0.5057


■ 67.7150, 0.3387,
0.4767

 69.7761, 0.3353,
0.4461

 72.1232, 0.3307,
0.4154

 74.7685, 0.3253,
0.3858

 77.7235, 0.3195,
0.3580

 80.9990, 0.3136,
0.3324

Harmonies

Analogous

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



62.0413, 0.4406, 0.5182



62.0413, 0.3339, 0.5680



62.0413, 0.2275, 0.5042

Triad

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



62.0413, 0.3339, 0.5680



62.0413, 0.1260, 0.1730



62.0413, 0.4949, 0.2779

Complementary

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



62.0413, 0.3339, 0.5680



11.7026, 0.2198, 0.1018

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.



62.0413, 0.3699, 0.2144



62.0413, 0.3339, 0.5680



62.0413, 0.1661, 0.1570

Square

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



62.0413, 0.3339, 0.5680



62.0413, 0.1199, 0.2316



62.0413, 0.2472, 0.1719



62.0413, 0.5532, 0.3512

Rectangle

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



62.0413, 0.3339, 0.5680



62.0413, 0.1714, 0.4038



62.0413, 0.2472, 0.1719



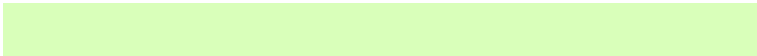
62.0413, 0.4575, 0.2551

Sweetspot

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



62.0440, 0.3339, 0.5680



89.8519, 0.3285, 0.4026



34.3180, 0.5173, 0.4206



19.0003, 0.3303, 0.4129



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.



62.0440, 0.3339, 0.5680



75.1615, 0.3288, 0.5771



58.5068, 0.2995, 0.5915



17.1946, 0.3184, 0.3529



34.8447, 0.3303, 0.5760



2.7925, 0.3410, 0.5674

Inverse Universe

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



11.7026, 0.2198, 0.1018



12.7997, 0.2104, 0.0933



23.3106, 0.3286, 0.1610



14.9566, 0.3066, 0.3053



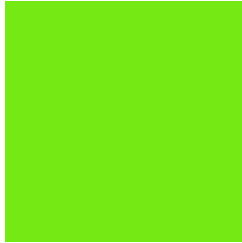
6.0155, 0.2124, 0.0944



0.5294, 0.2267, 0.1022

Previews

White Background



This preview shows how the Yxy color 62.0413, 0.3339, 0.5680 looks on a white background.

Color Contrast Check

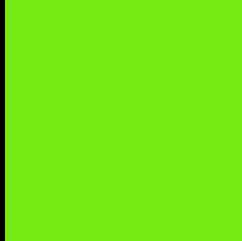
Large Text (above 18pt) WCAG AA × Fail

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 62.0413, 0.3339, 0.5680 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 62.0413, 0.3339, 0.5680

Background



This preview shows how black text looks on a background with the Yxy color 62.0413, 0.3339, 0.5680.



This preview shows how white text looks on a background with the Yxy color 62.0413, 0.3339, 0.5680.

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

62.0413, 0.3339, 0.5680

Protanopia

61.1315, 0.4400, 0.4888

Deuteranopia

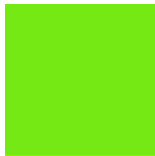
60.7713, 0.4506, 0.4420



Tritanopia

61.7693, 0.2578, 0.3081

Trichromacy



Original Color

62.0413, 0.3339, 0.5680



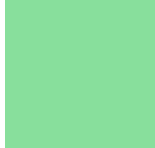
Protanomaly

59.9459, 0.3967, 0.5217



Deuteranomaly

58.7046, 0.4053, 0.4919



Tritanomaly

60.4099, 0.2958, 0.4200

Monochromacy



Original Color

62.0413, 0.3339, 0.5680



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

47.1105, 0.3346, 0.4388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.0413, 0.3339, 0.5680 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(116, 233, 20)` looks like.

```
.text, #text, p{  
    color:rgb(116, 233, 20)  
}
```

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(116, 233, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 233, 20) }
```

Border

The CSS property to change the border of an element to Yxy 62.0413, 0.3339, 0.5680 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(116, 233, 20) }
```

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

```
.border{ border-color:rgb(116, 233, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 233, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 233, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 233, 20);  
box-shadow:4px 4px 4px 4px rgb(116, 233,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 62.0413, 0.3339, 0.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 233, 20) }
```

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

```
.background{ background-color: rgb(116,  
233, 20) }
```

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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