

Converting Colors

$Y_{xy}(61.7211, 0.3367, 0.5677)$

Have a look what the booklet for
Yxy(61.7211, 0.3367, 0.5677)
contains.

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Color

Yxy(61.6669, 0.3365, 0.5678)

Conversions

Conversions Part 1

Format	Color
Hex	77E80E
RGB	119, 232, 14
RGB Percent	47%, 91%, 5%
CMY	0.5332, 0.0902, 0.9448
CMYK	0.49, 0.00, 0.94, 0.09
HSL	91°, 89%, 48%
HSV	91°, 94%, 91%
XYZ	36.5462, 61.6669, 10.3937
YIQ	173.3610, 2.6300, -91.7540

Conversions

Conversions Part 2

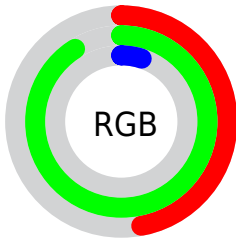
Format	Color
RYB	14, 232, 127
Decimal	7858190
CIELab	82.74, -62.00, 78.83
CIELCh	83, 100.292, 128.186
Yxy	61.6669, 0.3365, 0.5678
Android (android.graphics.Color)	4286048270 (0xFF77E80E)
YUV	173.3610, -78.5650, -47.6746
Hunter-Lab	78.5283, -54.3526, 47.1224

Details

The Yxy color **61.6669, 0.3365, 0.5678** 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 **10.6578, 0.2110, 0.0958**, and the grayscale version is **42.3997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9960, 0.3500, 0.5078**, and **31.3638, 0.3136, 0.5892** is the 20% darker color. If you saturate the color by 10%, you get **61.1412, 0.3331, 0.5737**, and if you desaturate by 10%, it is **62.6786, 0.3410, 0.5543**.

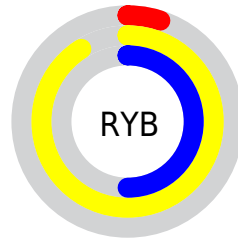
Distribution



Red (47%)

Green (91%)

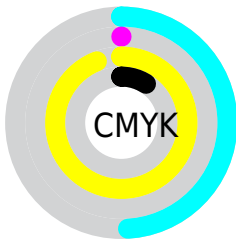
Blue (5%)



Red (5%)

Yellow (91%)

Blue (50%)

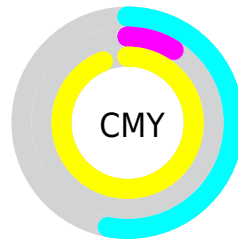


Cyan (49%)

Magenta (0%)

Yellow (94%)

Black (9%)



Cyan (53%)


Magenta (9%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 61.6669, 0.3365, 0.5678 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 61.6669, 0.3365, 0.5678 by changing the saturation by 10% instead.


 61.6669, 0.3365,
0.5678


 61.6669, 0.3365,
0.5678


 430.7150, 0.3371,
0.4498

 44.7636, 0.3322,
0.5941


 107.2440, 0.3399,
0.5268


 31.2713, 0.3245,
0.6253


 136.6865, 0.3402,
0.5107

 20.8055, 0.3111,
0.6620


 171.0776, 0.3401,
0.4969

 12.9819, 0.2904,
0.7096

 210.8016, 0.3397,
0.4849

 7.4161, 0.2497,
0.7503

 256.2430, 0.3391,
0.4744

 3.7237, 0.1910,
0.8090

 307.7861, 0.3385,

 1.5202, 0.0000,

0.4652

1.0000

365.8153, 0.3378,
0.4571

■ 0.3029, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.6669, 0.3365,
0.5678

■ 61.6669, 0.3365,
0.5678

■ 61.1412, 0.3331,
0.5737

■ 62.6786, 0.3410,
0.5543

■ 63.8918, 0.3435,
0.5350

■ 65.3279, 0.3438,
0.5107

■ 67.0027, 0.3420,
0.4828

■ 68.9303, 0.3385,
0.4529

■ 71.1234, 0.3337,
0.4226

■ 73.5937, 0.3279,
0.3929

■ 76.3522, 0.3217,
0.3648

■ 79.4091, 0.3153,
0.3387

Harmonies

Analogous

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



61.6669, 0.4430, 0.5163



61.6669, 0.3365, 0.5678



61.6669, 0.2298, 0.5071

Triad

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



61.6669, 0.3365, 0.5678



61.6669, 0.1255, 0.1738



61.6669, 0.4925, 0.2762

Complementary

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



61.6669, 0.3365, 0.5678



10.6578, 0.2110, 0.0958

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.



61.6669, 0.3667, 0.2131



61.6669, 0.3365, 0.5678



61.6669, 0.1647, 0.1570

Square

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



61.6669, 0.3365, 0.5678



61.6669, 0.1202, 0.2337



61.6669, 0.2448, 0.1713



61.6669, 0.5529, 0.3494

Rectangle

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



61.6669, 0.3365, 0.5678



61.6669, 0.1731, 0.4076



61.6669, 0.2448, 0.1713



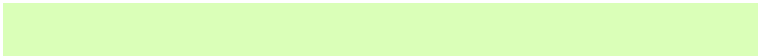
61.6669, 0.4546, 0.2536

Sweetspot

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



61.6696, 0.3365, 0.5678



89.8671, 0.3304, 0.4052



32.2808, 0.5266, 0.4156



18.9556, 0.3329, 0.4182



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.



61.6696, 0.3365, 0.5678



75.7166, 0.3328, 0.5740



57.8508, 0.2999, 0.5953



16.4279, 0.3188, 0.3528



34.0168, 0.3343, 0.5728



2.5688, 0.3455, 0.5639

Inverse Universe

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



10.6578, 0.2110, 0.0958



12.1412, 0.2041, 0.0898



23.0939, 0.3248, 0.1580



14.2528, 0.3061, 0.3053



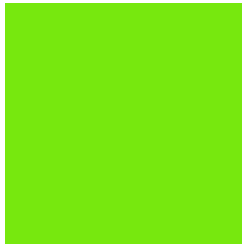
5.5375, 0.2062, 0.0910



0.4645, 0.2218, 0.0995

Previews

White Background



This preview shows how the Yxy color 61.6669, 0.3365, 0.5678 looks on a white background.

Color Contrast Check

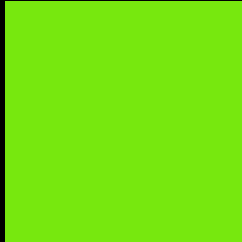
Large Text (above 18pt) WCAG AA × Fail

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 61.6669, 0.3365, 0.5678 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 61.6669, 0.3365, 0.5678

Background



This preview shows how black text looks on a background with the Yxy color 61.6669, 0.3365, 0.5678.



This preview shows how white text looks on a background with the Yxy color 61.6669, 0.3365, 0.5678.

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

61.6669, 0.3365, 0.5678

Protanopia

60.6516, 0.4409, 0.4881

Deuteranopia

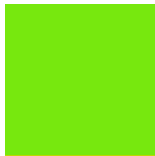
60.7076, 0.4530, 0.4450



Tritanopia

61.3845, 0.2593, 0.3081

Trichromacy



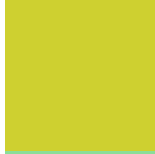
Original Color

61.6669, 0.3365, 0.5678



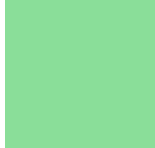
Protanomaly

59.5590, 0.3984, 0.5208



Deuteranomaly

58.4470, 0.4096, 0.4932



Tritanomaly

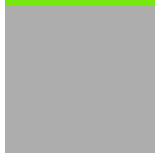
59.9457, 0.2987, 0.4228

Monochromacy



Original Color

61.6669, 0.3365, 0.5678



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.5937, 0.3368, 0.4418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6669, 0.3365, 0.5678 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(119, 232, 14)` looks like.

```
.text, #text, p{  
    color:rgb(119, 232, 14)  
}
```

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(119, 232, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 232, 14) }
```

Border

The CSS property to change the border of an element to Yxy 61.6669, 0.3365, 0.5678 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(119, 232, 14) }
```

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

```
.border{ border-color:rgb(119, 232, 14) }
```

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

Here you see how a box with a 4 pixel rgb(119, 232, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 232, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 232, 14);  
box-shadow:4px 4px 4px 4px rgb(119, 232,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6669, 0.3365, 0.5678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 232, 14) }
```

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

```
.background{ background-color: rgb(119,  
232, 14) }
```

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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