

Converting Colors

Yxy(61.4537, 0.3356, 0.5718)

Have a look what the booklet for
Yxy(61.4537, 0.3356, 0.5718)
contains.

Yxy(61.4262, 0.3356, 0.5717)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(61.4262, 0.3356, 0.5717)

Conversions

Conversions Part 1

Format	Color
Hex	74E800
RGB	116, 232, 0
RGB Percent	45%, 91%, 0%
CMY	0.5451, 0.0902, 0.9993
CMYK	0.50, 0.00, 1.00, 0.09
HSL	90°, 100%, 46%
HSV	90°, 100%, 91%
XYZ	36.0585, 61.4262, 9.9601
YIQ	170.8680, 5.3360, -96.7440

Conversions

Conversions Part 2

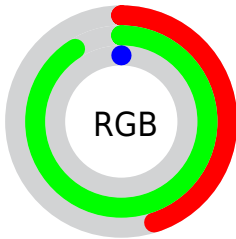
Format	Color
RYB	0, 232, 116
Decimal	7661568
CIELab	82.61, -63.07, 79.90
CIELCh	83, 101.792, 128.288
Yxy	61.4262, 0.3356, 0.5717
Android (android.graphics.Color)	4285851648 (0xFF74E800)
YUV	170.8680, -84.2379, -48.1192
Hunter-Lab	78.3749, -55.0323, 47.3276

Details

The Yxy color **61.4262, 0.3356, 0.5717** 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 **9.5568, 0.2011, 0.0882**, and the grayscale version is **41.0942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6896, 0.3501, 0.5118**, and **31.2178, 0.3109, 0.5914** is the 20% darker color. If you saturate the color by 10%, you get **61.4224, 0.3356, 0.5718**, and if you desaturate by 10%, it is **62.3378, 0.3409, 0.5613**.

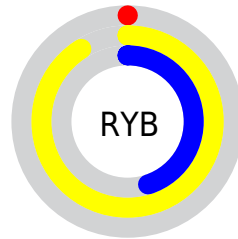
Distribution



Red (45%)

Green (91%)

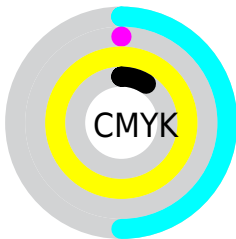
Blue (0%)



Red (0%)

Yellow (91%)

Blue (45%)

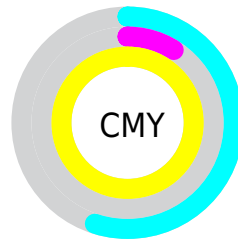


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (55%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.4262, 0.3356, 0.5717 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 61.4262, 0.3356, 0.5717 by changing the saturation by 10% instead.


 61.4262, 0.3356,
0.5717

 61.4262, 0.3356,
0.5717


429.8350, 0.3370,
0.4518


 44.5692, 0.3309,
0.5984


 106.8958, 0.3394,
0.5301

 31.1183, 0.3227,
0.6299


 136.2772, 0.3399,
0.5137


 20.6889, 0.3087,
0.6670

 170.6022, 0.3398,
0.4997

 12.8968, 0.2865,
0.7135

 210.2552, 0.3395,
0.4875

 7.3575, 0.2450,
0.7550

 255.6206, 0.3390,
0.4769

 3.6867, 0.1854,
0.8146

 307.0827, 0.3384,

 1.4999, 0.0000,

0.4675

1.0000

365.0261, 0.3377,
0.4592

■ 0.2886, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.4262, 0.3356,
0.5717

■ 61.4262, 0.3356,
0.5717

■ 61.4224, 0.3356,
0.5718

■ 62.3378, 0.3409,
0.5613

■ 63.4251, 0.3445,
0.5456

■ 64.7178, 0.3459,
0.5244

■ 66.2328, 0.3451,
0.4988

■ 67.9848, 0.3423,
0.4703

■ 69.9870, 0.3379,
0.4403

■ 72.2514, 0.3324,
0.4103

■ 74.7890, 0.3261,
0.3813

■ 77.6101, 0.3194,
0.3540

Harmonies

Analogous

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



61.4262, 0.4434, 0.5184



61.4262, 0.3356, 0.5717



61.4262, 0.2279, 0.5101

Triad

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



61.4262, 0.3356, 0.5717



61.4262, 0.1236, 0.1717



61.4262, 0.4957, 0.2755

Complementary

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



61.4262, 0.3356, 0.5717



9.5568, 0.2011, 0.0882

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.



61.4262, 0.3678, 0.2118



61.4262, 0.3356, 0.5717



61.4262, 0.1632, 0.1550

Square

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



61.4262, 0.3356, 0.5717



61.4262, 0.1179, 0.2318



61.4262, 0.2441, 0.1696



61.4262, 0.5563, 0.3491

Rectangle

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



61.4262, 0.3356, 0.5717



61.4262, 0.1707, 0.4082



61.4262, 0.2441, 0.1696



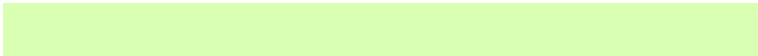
61.4262, 0.4572, 0.2527

Sweetspot

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



61.4288, 0.3356, 0.5717



89.4627, 0.3325, 0.4110



29.6690, 0.5427, 0.4072



18.8862, 0.3350, 0.4236



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.



61.4288, 0.3356, 0.5717



76.0617, 0.3352, 0.5720



57.7178, 0.3000, 0.6000



16.4410, 0.3191, 0.3528



34.1724, 0.3367, 0.5709



2.5804, 0.3478, 0.5621

Inverse Universe

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



9.5568, 0.2011, 0.0882



11.7793, 0.2005, 0.0878



22.9871, 0.3209, 0.1542



14.2397, 0.3058, 0.3053



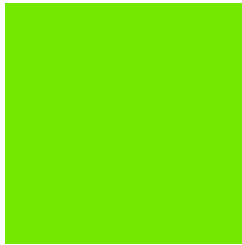
5.3747, 0.2027, 0.0890



0.4524, 0.2185, 0.0977

Previews

White Background



This preview shows how the Yxy color 61.4262, 0.3356, 0.5717 looks on a white background.

Color Contrast Check

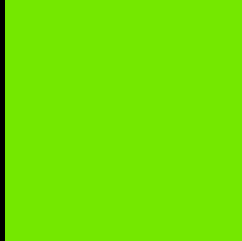
Large Text (above 18pt) WCAG AA × Fail

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 61.4262, 0.3356, 0.5717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

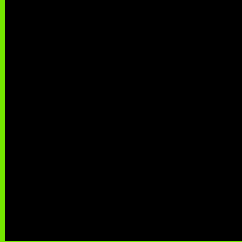
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

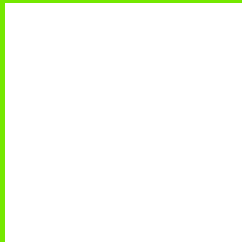
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.4262, 0.3356, 0.5717

Background



This preview shows how black text looks on a background with the Yxy color 61.4262, 0.3356, 0.5717.



This preview shows how white text looks on a background with the Yxy color 61.4262, 0.3356, 0.5717.

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

61.4262, 0.3356, 0.5717

Protanopia

60.4856, 0.4401, 0.4888

Deuteranopia

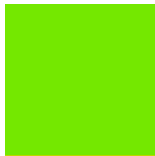
60.2252, 0.4551, 0.4458



Tritanopia

61.1980, 0.2582, 0.3080

Trichromacy



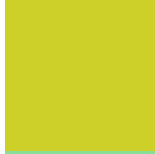
Original Color

61.4262, 0.3356, 0.5717



Protanomaly

59.4197, 0.3980, 0.5222



Deuteranomaly

58.1092, 0.4099, 0.4977



Tritanomaly

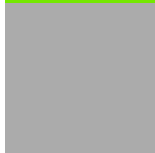
59.6149, 0.3004, 0.4302

Monochromacy



Original Color

61.4262, 0.3356, 0.5717



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

45.8234, 0.3395, 0.4497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4262, 0.3356, 0.5717 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, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 232, 0)  
}
```

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, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 232, 0) }
```

Border

The CSS property to change the border of an element to Yxy 61.4262, 0.3356, 0.5717 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, 232, 0) }
```

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

```
.border{ border-color:rgb(116, 232, 0) }
```

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

Here you see how a box with a 4 pixel rgb(116, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 232,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4262, 0.3356, 0.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 232, 0) }
```

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

```
.background{ background-color: rgb(116,  
232, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor