

Converting Colors

$Y_{xy}(60.7585, 0.3340, 0.5569)$

Have a look what the booklet for
Yxy(60.7585, 0.3340, 0.5569)
contains.

Yxy(60.7468, 0.3341, 0.5568)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.7468, 0.3341, 0.5568)

Conversions

Conversions Part 1

Format	Color
Hex	78E629
RGB	120, 230, 41
RGB Percent	47%, 90%, 16%
CMY	0.5291, 0.0981, 0.8391
CMYK	0.48, 0.00, 0.82, 0.10
HSL	95°, 79%, 53%
HSV	95°, 82%, 90%
XYZ	36.4503, 60.7468, 11.9028
YIQ	175.5640, -4.8910, -82.0990

Conversions

Conversions Part 2

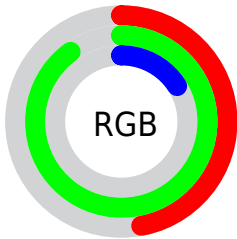
Format	Color
RYB	41, 230, 151
Decimal	7923241
CIELab	82.24, -60.19, 73.75
CIELCh	82, 95.199, 129.219
Yxy	60.7468, 0.3341, 0.5568
Android (android.graphics.Color)	4286113321 (0xFF78E629)
YUV	175.5640, -66.3401, -48.7296
Hunter-Lab	77.9402, -52.9164, 45.5036

Details

The Yxy color **60.7468, 0.3341, 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 **13.8739, 0.2363, 0.1178**, and the grayscale version is **43.5419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3432, 0.3460, 0.4972**, and **30.6714, 0.3155, 0.5877** is the 20% darker color. If you saturate the color by 10%, you get **59.7415, 0.3296, 0.5719**, and if you desaturate by 10%, it is **61.9846, 0.3367, 0.5357**.

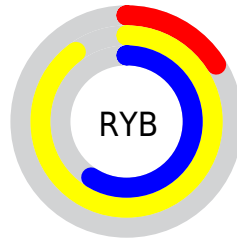
Distribution



Red (47%)

Green (90%)

Blue (16%)



Red (16%)

Yellow (90%)

Blue (59%)

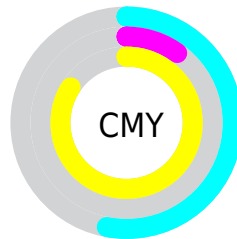


Cyan (48%)

Magenta (0%)

Yellow (82%)

Black (10%)



Cyan (53%)

Magenta (10%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.7468, 0.3341, 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 60.7468, 0.3341, 0.5568 by changing the saturation by 10% instead.

 60.7468, 0.3341,
0.5568


 60.7468, 0.3341,
0.5568


 427.3450, 0.3342,
0.4431

 44.0209, 0.3304,
0.5828

 105.9122, 0.3369,
0.5168

 30.6869, 0.3236,
0.6141


 135.1205, 0.3371,
0.5013

 20.3606, 0.3116,
0.6515


 169.2584, 0.3370,
0.4880

 12.6574, 0.2946,
0.7054

 208.7102, 0.3366,
0.4765

 7.1931, 0.2543,
0.7457

 253.8604, 0.3361,
0.4666

 3.5831, 0.1956,
0.8044

 305.0933, 0.3355,

 1.4432, 0.0000,

0.4578

1.0000

362.7934, 0.3349,
0.4500

■ 0.2483, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.7468, 0.3341,
0.5568

■ 60.7468, 0.3341,
0.5568

■ 59.7415, 0.3296,
0.5719


■ 61.9846, 0.3367,
0.5357

■ 59.0893, 0.3253,
0.5799


■ 63.4666, 0.3374,
0.5096


■ 65.2121, 0.3362,
0.4802


■ 67.2360, 0.3333,
0.4492

 69.5520, 0.3294,
0.4182

 72.1728, 0.3246,
0.3882

 75.1100, 0.3193,
0.3601

 78.3750, 0.3139,
0.3343

 81.9780, 0.3085,
0.3109

Harmonies

Analogous

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



60.7468, 0.4372, 0.5135



60.7468, 0.3341, 0.5568



60.7468, 0.2310, 0.4933

Triad

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



60.7468, 0.3341, 0.5568



60.7468, 0.1321, 0.1784



60.7468, 0.4879, 0.2813

Complementary

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



60.7468, 0.3341, 0.5568



13.8739, 0.2363, 0.1178

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.



60.7468, 0.3692, 0.2191



60.7468, 0.3341, 0.5568



60.7468, 0.1719, 0.1626

Square

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



60.7468, 0.3341, 0.5568



60.7468, 0.1261, 0.2355



60.7468, 0.2512, 0.1774



60.7468, 0.5436, 0.3533

Rectangle

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



60.7468, 0.3341, 0.5568



60.7468, 0.1766, 0.3989



60.7468, 0.2512, 0.1774



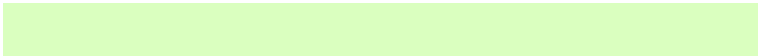
60.7468, 0.4524, 0.2590

Sweetspot

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



60.7494, 0.3341, 0.5568



90.1854, 0.3261, 0.3969



38.1953, 0.4903, 0.4291



19.0522, 0.3278, 0.4075



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.



60.7494, 0.3341, 0.5568



74.7234, 0.3254, 0.5793



57.3256, 0.2983, 0.5725



16.3822, 0.3179, 0.3528



33.5227, 0.3264, 0.5790



2.5308, 0.3379, 0.5699

Inverse Universe

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



13.8739, 0.2363, 0.1178



13.7022, 0.2183, 0.0980



23.4398, 0.3347, 0.1705



14.2991, 0.3071, 0.3054



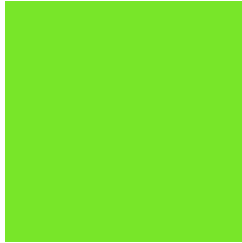
6.1674, 0.2194, 0.0982



0.5100, 0.2338, 0.1062

Previews

White Background



This preview shows how the Yxy color 60.7468, 0.3341, 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 60.7468, 0.3341, 0.5568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

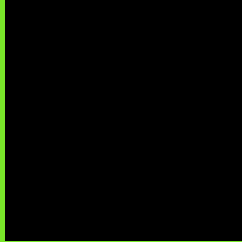
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

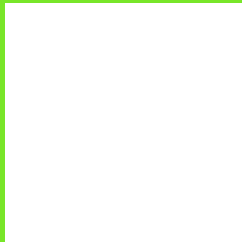
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.7468, 0.3341, 0.5568

Background



This preview shows how black text looks on a background with the Yxy color 60.7468, 0.3341, 0.5568.



This preview shows how white text looks on a background with the Yxy color 60.7468, 0.3341, 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

60.7468, 0.3341, 0.5568

Protanopia

59.9592, 0.4357, 0.4820

Deuteranopia

59.7369, 0.4577, 0.4471



Tritanopia

60.2522, 0.2600, 0.3079

Trichromacy



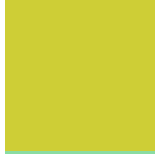
Original Color

60.7468, 0.3341, 0.5568



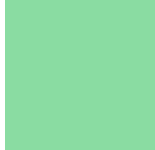
Protanomaly

58.5409, 0.3946, 0.5120



Deuteranomaly

57.5308, 0.4092, 0.4885



Tritanomaly

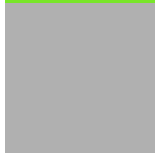
59.1983, 0.2934, 0.4078

Monochromacy



Original Color

60.7468, 0.3341, 0.5568



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.0801, 0.3306, 0.4264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.7468, 0.3341, 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(120, 230, 41)` looks like.

```
.text, #text, p{  
    color:rgb(120, 230, 41)  
}
```

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(120, 230, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 230, 41) }
```

Border

The CSS property to change the border of an element to Yxy 60.7468, 0.3341, 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(120, 230, 41) }
```

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

```
.border{ border-color:rgb(120, 230, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 230, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 230, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 230, 41);  
box-shadow:4px 4px 4px 4px rgb(120, 230,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 60.7468, 0.3341, 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(120, 230, 41) }
```

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

```
.background{ background-color: rgb(120,  
230, 41) }
```

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