

Converting Colors

$Y_{xy}(61.6693, 0.3357, 0.5672)$

Have a look what the booklet for
Yxy(61.6693, 0.3357, 0.5672)
contains.

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Color

Yxy(61.6084, 0.3355, 0.5674)

Conversions

Conversions Part 1

Format	Color
Hex	76E812
RGB	118, 232, 18
RGB Percent	46%, 91%, 7%
CMY	0.5376, 0.0901, 0.9294
CMYK	0.49, 0.00, 0.92, 0.09
HSL	92°, 86%, 49%
HSV	92°, 92%, 91%
XYZ	36.4287, 61.6084, 10.5431
YIQ	173.5180, 0.7500, -90.7220

Conversions

Conversions Part 2

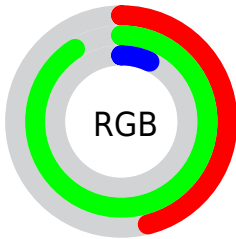
Format	Color
RYB	18, 232, 132
Decimal	7792658
CIELab	82.70, -62.26, 78.34
CIELCh	83, 100.066, 128.475
Yxy	61.6084, 0.3355, 0.5674
Android (android.graphics.Color)	4285982738 (0xFF76E812)
YUV	173.5180, -76.6704, -48.6893
Hunter-Lab	78.4910, -54.5152, 46.9797

Details

The Yxy color **61.6084, 0.3355, 0.5674** 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 **11.1734, 0.2157, 0.0991**, and the grayscale version is **42.4590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8940, 0.3490, 0.5074**, and **31.3129, 0.3127, 0.5899** is the 20% darker color. If you saturate the color by 10%, you get **60.9298, 0.3312, 0.5752**, and if you desaturate by 10%, it is **62.6517, 0.3398, 0.5527**.

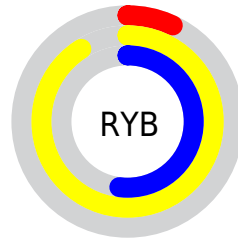
Distribution



Red (46%)

Green (91%)

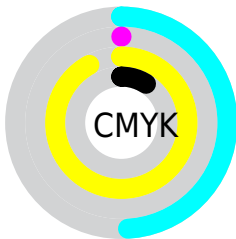
Blue (7%)



Red (7%)

Yellow (91%)

Blue (52%)

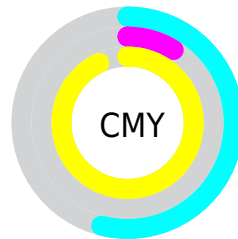


Cyan (49%)

Magenta (0%)

Yellow (92%)

Black (9%)



Cyan (54%)


Magenta (9%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.6084, 0.3355, 0.5674 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 61.6084, 0.3355, 0.5674 by changing the saturation by 10% instead.


 61.6084, 0.3355,
0.5674

 61.6084, 0.3355,
0.5674


 430.5012, 0.3364,
0.4494


 44.7164, 0.3312,
0.5938


 107.1594, 0.3389,
0.5263


 31.2341, 0.3234,
0.6252


 136.5871, 0.3393,
0.5102


 20.7771, 0.3100,
0.6621

 170.9621, 0.3392,
0.4964

 12.9612, 0.2895,
0.7105

 210.6689, 0.3389,
0.4845

 7.4018, 0.2486,
0.7514

 256.0918, 0.3384,
0.4740

 3.7147, 0.1897,
0.8103

 307.6152, 0.3378,

 1.5153, 0.0000,

0.4648

1.0000

365.6236, 0.3371,
0.4567

■ 0.2994, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.6084, 0.3355,
0.5674

■ 61.6084, 0.3355,
0.5674

■ 60.9298, 0.3312,
0.5752

■ 62.6517, 0.3398,
0.5527

■ 63.9054, 0.3421,
0.5323

■ 65.3908, 0.3422,
0.5071

■ 67.1238, 0.3403,
0.4785

■ 69.1183, 0.3368,
0.4482

■ 71.3873, 0.3320,
0.4177

■ 73.9425, 0.3264,
0.3881

■ 76.7952, 0.3203,
0.3602

■ 79.9556, 0.3141,
0.3345

Harmonies

Analogous

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



61.6084, 0.4419, 0.5169



61.6084, 0.3355, 0.5674



61.6084, 0.2290, 0.5055

Triad

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



61.6084, 0.3355, 0.5674



61.6084, 0.1260, 0.1737



61.6084, 0.4931, 0.2770

Complementary

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



61.6084, 0.3355, 0.5674



11.1734, 0.2157, 0.0991

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.



61.6084, 0.3679, 0.2138



61.6084, 0.3355, 0.5674



61.6084, 0.1655, 0.1572

Square

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



61.6084, 0.3355, 0.5674



61.6084, 0.1203, 0.2331



61.6084, 0.2459, 0.1717



61.6084, 0.5526, 0.3502

Rectangle

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



61.6084, 0.3355, 0.5674



61.6084, 0.1726, 0.4059



61.6084, 0.2459, 0.1717



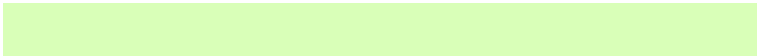
61.6084, 0.4555, 0.2543

Sweetspot

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



61.6110, 0.3355, 0.5674



89.7056, 0.3298, 0.4054



32.7910, 0.5233, 0.4166



18.9170, 0.3321, 0.4184



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.



61.6110, 0.3355, 0.5674



75.4455, 0.3309, 0.5755



57.9065, 0.2999, 0.5937



16.4173, 0.3186, 0.3528



33.8944, 0.3324, 0.5743



2.5595, 0.3437, 0.5653

Inverse Universe

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



11.1734, 0.2157, 0.0991



12.4500, 0.2071, 0.0914



23.2174, 0.3247, 0.1585



14.2635, 0.3064, 0.3053



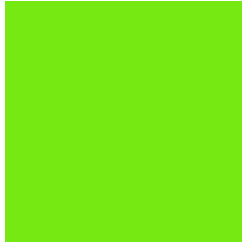
5.6762, 0.2092, 0.0926



0.4746, 0.2245, 0.1010

Previews

White Background



This preview shows how the Yxy color 61.6084, 0.3355, 0.5674 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 61.6084, 0.3355, 0.5674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

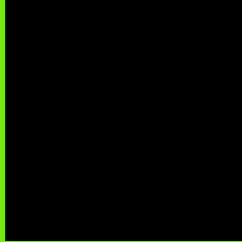
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

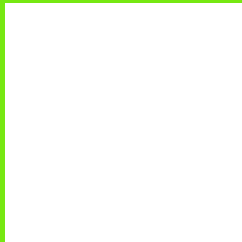
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.6084, 0.3355, 0.5674

Background



This preview shows how black text looks on a background with the Yxy color 61.6084, 0.3355, 0.5674.



This preview shows how white text looks on a background with the Yxy color 61.6084, 0.3355, 0.5674.

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

61.6084, 0.3355, 0.5674

Protanopia

60.6516, 0.4409, 0.4881

Deuteranopia

60.2609, 0.4538, 0.4441



Tritanopia

61.2908, 0.2587, 0.3080

Trichromacy



Original Color

61.6084, 0.3355, 0.5674



Protanomaly

59.5634, 0.3983, 0.5205



Deuteranomaly

58.3212, 0.4082, 0.4928



Tritanomaly

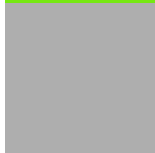
59.9275, 0.2970, 0.4202

Monochromacy



Original Color

61.6084, 0.3355, 0.5674



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

47.1846, 0.3361, 0.4399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6084, 0.3355, 0.5674 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(118, 232, 18)` looks like.

```
.text, #text, p{  
    color:rgb(118, 232, 18)  
}
```

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(118, 232, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 232, 18) }
```

Border

The CSS property to change the border of an element to Yxy 61.6084, 0.3355, 0.5674 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(118, 232, 18) }
```

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

```
.border{ border-color:rgb(118, 232, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 232, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 232, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 232, 18);  
box-shadow:4px 4px 4px 4px rgb(118, 232,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6084, 0.3355, 0.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 232, 18) }
```

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

```
.background{ background-color: rgb(118,  
232, 18) }
```

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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