

Converting Colors

Yxy(56.4804, 0.3418, 0.5488)

Have a look what the booklet for
Yxy(56.4804, 0.3418, 0.5488)
contains.

Yxy(56.4693, 0.3419, 0.5489)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.4693, 0.3419, 0.5489)

Conversions

Conversions Part 1

Format	Color
Hex	80DD2A
RGB	128, 221, 42
RGB Percent	50%, 87%, 16%
CMY	0.4981, 0.1333, 0.8353
CMYK	0.42, 0.00, 0.81, 0.13
HSL	91°, 72%, 52%
HSV	91°, 81%, 87%
XYZ	35.1737, 56.4693, 11.2342
YIQ	172.7870, 2.0310, -75.3850

Conversions

Conversions Part 2

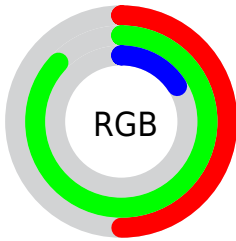
Format	Color
R_{YB}	42, 221, 135
Decimal	8445226
CIE _{Lab}	79.88, -54.30, 71.51
CIE _{LCh}	80, 89.788, 127.213
Yxy	56.4693, 0.3419, 0.5489
Android (android.graphics.Color)	4286635306 (0xFF80DD2A)
YUV	172.7870, -64.4780, -39.2782
Hunter-Lab	75.1461, -47.9549, 43.7385

Details

The Yxy color **56.4693, 0.3419, 0.5489** 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 **12.0281, 0.2266, 0.1141**, and the grayscale version is **42.0069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0843, 0.3500, 0.4949**, and **28.1036, 0.3254, 0.5799** is the 20% darker color. If you saturate the color by 10%, you get **55.5142, 0.3380, 0.5643**, and if you desaturate by 10%, it is **57.6172, 0.3437, 0.5279**.

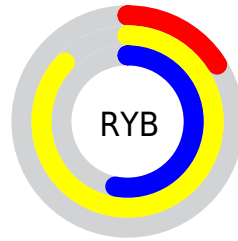
Distribution



Red (50%)

Green (87%)

Blue (16%)



Red (16%)

Yellow (87%)

Blue (53%)

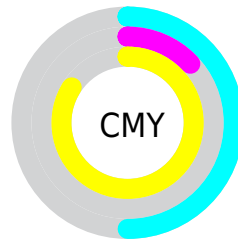


Cyan (42%)

Magenta (0%)

Yellow (81%)

Black (13%)



Cyan (50%)


Magenta (13%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4693, 0.3419, 0.5489 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 56.4693, 0.3419, 0.5489 by changing the saturation by 10% instead.


 56.4693, 0.3419,
0.5489

 56.4693, 0.3419,
0.5489


411.4577, 0.3376,
0.4385


 40.5793, 0.3392,
0.5744


 99.6904, 0.3431,
0.5099


 27.9905, 0.3336,
0.6050


 127.7903, 0.3428,
0.4948

 18.3185, 0.3227,
0.6418


 160.7290, 0.3421,
0.4819

 11.1789, 0.3064,
0.6936

 198.8909, 0.3413,
0.4708

 6.1873, 0.2662,
0.7338

 242.6602, 0.3404,
0.4611

 2.9593, 0.2057,
0.7943

 292.4216, 0.3395,

 1.1105, 0.0000,

0.4526

1.0000

348.5593, 0.3385,
0.4451

■ 0.0000, 0.0000,
0.0000

■ 56.4693, 0.3419,
0.5489

■ 56.4693, 0.3419,
0.5489

■ 55.5142, 0.3380,
0.5643

■ 57.6172, 0.3437,
0.5279

■ 54.7911, 0.3332,
0.5737

■ 58.9664, 0.3434,
0.5024

■ 60.5328, 0.3410,
0.4738

■ 62.3286, 0.3371,
0.4437

■ 64.3647, 0.3320,
0.4135

66.6514, 0.3261,
0.3843

69.1982, 0.3198,
0.3568

72.0141, 0.3134,
0.3314

75.1076, 0.3070,
0.3083

Harmonies

Analogous

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



56.4693, 0.4415, 0.5047



56.4693, 0.3419, 0.5489



56.4693, 0.2404, 0.4945

Triad

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



56.4693, 0.3419, 0.5489



56.4693, 0.1350, 0.1848



56.4693, 0.4758, 0.2787

Complementary

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



56.4693, 0.3419, 0.5489



12.0281, 0.2266, 0.1141

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.



56.4693, 0.3593, 0.2186



56.4693, 0.3419, 0.5489



56.4693, 0.1718, 0.1667

Square

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



56.4693, 0.3419, 0.5489



56.4693, 0.1314, 0.2445



56.4693, 0.2468, 0.1793



56.4693, 0.5357, 0.3492

Rectangle

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



56.4693, 0.3419, 0.5489



56.4693, 0.1854, 0.4063



56.4693, 0.2468, 0.1793



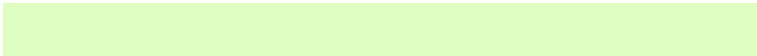
56.4693, 0.4403, 0.2570

Sweetspot

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



56.4717, 0.3419, 0.5489



91.1253, 0.3280, 0.3935



32.7239, 0.4977, 0.4195



19.2615, 0.3301, 0.4040



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.



56.4717, 0.3419, 0.5489



76.0076, 0.3343, 0.5714



52.3984, 0.3004, 0.5768



14.9115, 0.3188, 0.3527



31.8931, 0.3343, 0.5728



2.1173, 0.3469, 0.5628

Inverse Universe

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



12.0281, 0.2266, 0.1141



12.6360, 0.2074, 0.0926



22.0916, 0.3238, 0.1652



12.9483, 0.3062, 0.3054



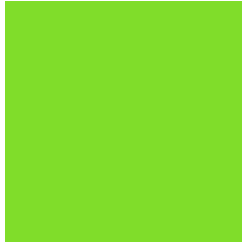
5.2118, 0.2067, 0.0912



0.3889, 0.2241, 0.1008

Previews

White Background



This preview shows how the Yxy color 56.4693, 0.3419, 0.5489 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 56.4693, 0.3419, 0.5489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

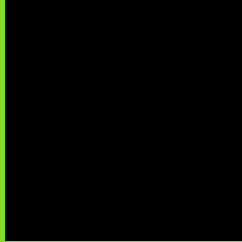
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4693, 0.3419, 0.5489

Background



This preview shows how black text looks on a background with the Yxy color 56.4693, 0.3419, 0.5489.



This preview shows how white text looks on a background with the Yxy color 56.4693, 0.3419, 0.5489.

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

56.4693, 0.3419, 0.5489

Protanopia

55.5895, 0.4355, 0.4803

Deuteranopia

55.6306, 0.4574, 0.4471



Tritanopia

56.1888, 0.2659, 0.3088

Trichromacy



Original Color

56.4693, 0.3419, 0.5489



Protanomaly

54.9739, 0.3985, 0.5076



Deuteranomaly

53.9413, 0.4131, 0.4848



Tritanomaly

54.9521, 0.3002, 0.4035

Monochromacy



Original Color

56.4693, 0.3419, 0.5489



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.4757, 0.3342, 0.4219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4693, 0.3419, 0.5489 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(128, 221, 42)` looks like.

```
.text, #text, p{  
    color:rgb(128, 221, 42)  
}
```

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(128, 221, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 221, 42) }
```

Border

The CSS property to change the border of an element to Yxy 56.4693, 0.3419, 0.5489 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(128, 221, 42) }
```

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

```
.border{ border-color:rgb(128, 221, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 221, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 221, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 221, 42);  
box-shadow:4px 4px 4px 4px rgb(128, 221,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4693, 0.3419, 0.5489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 221, 42) }
```

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

```
.background{ background-color: rgb(128,  
221, 42) }
```

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