

Converting Colors

$Yxy(62.7388, 0.3382, 0.5425)$

Have a look what the booklet for
Yxy(62.7388, 0.3382, 0.5425)
contains.

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Color

Yxy(62.9853, 0.3381, 0.5427)

Conversions

Conversions Part 1

Format	Color
Hex	85E838
RGB	133, 232, 56
RGB Percent	52%, 91%, 22%
CMY	0.4786, 0.0902, 0.7803
CMYK	0.43, 0.00, 0.76, 0.09
HSL	94°, 79%, 56%
HSV	94°, 76%, 91%
XYZ	39.2396, 62.9853, 13.8343
YIQ	182.3350, -2.5080, -75.7240

Conversions

Conversions Part 2

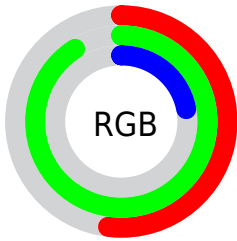
Format	Color
RYB	56, 232, 155
Decimal	8775736
CIELab	83.43, -56.29, 70.89
CIELCh	83, 90.525, 128.451
Yxy	62.9853, 0.3381, 0.5427
Android (android.graphics.Color)	4286965816 (0xFF85E838)
YUV	182.3350, -62.2832, -43.2668
Hunter-Lab	79.3633, -50.6300, 45.2191

Details

The Yxy color **62.9853, 0.3381, 0.5427** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **15.6352, 0.2400, 0.1272**, and the grayscale version is **47.3177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0953, 0.3493, 0.4828**, and **32.4284, 0.3254, 0.5798** is the 20% darker color. If you saturate the color by 10%, you get **61.8137, 0.3348, 0.5615**, and if you desaturate by 10%, it is **64.3995, 0.3393, 0.5186**.

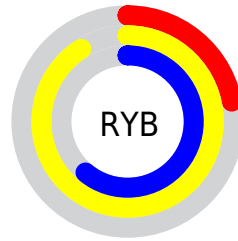
Distribution



Red (52%)

Green (91%)

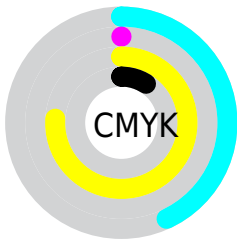
Blue (22%)



Red (22%)

Yellow (91%)

Blue (61%)

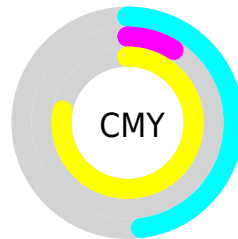


Cyan (43%)

Magenta (0%)

Yellow (76%)

Black (9%)



Cyan (48%)


Magenta (9%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9853, 0.3381, 0.5427 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 62.9853, 0.3381, 0.5427 by changing the saturation by 10% instead.


 62.9853, 0.3381,
0.5427

 62.9853, 0.3381,
0.5427


435.5161, 0.3350,
0.4367

 45.8293, 0.3356,
0.5670

 109.1483, 0.3394,
0.5054


 32.1112, 0.3307,
0.5964


 138.9241, 0.3392,
0.4910


 21.4464, 0.3214,
0.6319


 173.6753, 0.3387,
0.4786

 13.4507, 0.3067,
0.6792

 213.7863, 0.3380,
0.4679

 7.7396, 0.2747,
0.7253

 259.6415, 0.3373,
0.4586

 3.9288, 0.2214,
0.7786

311.6253, 0.3366,

 1.6338, 0.0236,

0.4504

0.9764

370.1220, 0.3358,
0.4432

0.3802, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.9853, 0.3381,
0.5427

62.9853, 0.3381,
0.5427

61.8137, 0.3348,
0.5615

64.3995, 0.3393,
0.5186


60.8560, 0.3298,
0.5741


66.0658, 0.3385,
0.4905


60.5098, 0.3275,
0.5782


68.0020, 0.3360,
0.4602


70.2223, 0.3321,
0.4292

 72.7393, 0.3272,
0.3989

 75.5650, 0.3218,
0.3701

 78.7107, 0.3161,
0.3435

 82.1869, 0.3103,
0.3192

 85.3533, 0.3108,
0.3066

Harmonies

Analogous

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



62.9853, 0.4360, 0.5042



62.9853, 0.3381, 0.5427



62.9853, 0.2390, 0.4846

Triad

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



62.9853, 0.3381, 0.5427



62.9853, 0.1393, 0.1867



62.9853, 0.4752, 0.2830

Complementary

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



62.9853, 0.3381, 0.5427



15.6352, 0.2400, 0.1272

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.



62.9853, 0.3633, 0.2232



62.9853, 0.3381, 0.5427



62.9853, 0.1771, 0.1700

Square

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



62.9853, 0.3381, 0.5427



62.9853, 0.1346, 0.2436



62.9853, 0.2525, 0.1834



62.9853, 0.5308, 0.3528

Rectangle

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



62.9853, 0.3381, 0.5427



62.9853, 0.1859, 0.3985



62.9853, 0.2525, 0.1834



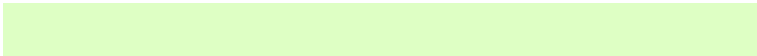
62.9853, 0.4415, 0.2615

Sweetspot

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



62.9880, 0.3381, 0.5427



91.0494, 0.3258, 0.3909



40.1673, 0.4793, 0.4244



19.2285, 0.3277, 0.4016



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.



62.9880, 0.3381, 0.5427



75.8960, 0.3322, 0.5694



58.9401, 0.2992, 0.5609



16.3958, 0.3181, 0.3528



33.6612, 0.3287, 0.5773



2.5416, 0.3401, 0.5682

Inverse Universe

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



15.6352, 0.2400, 0.1272



14.6576, 0.2225, 0.1032



25.3283, 0.3298, 0.1738



14.2853, 0.3068, 0.3053



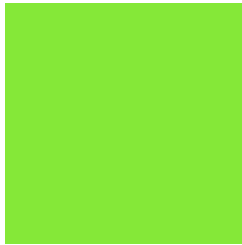
5.9706, 0.2154, 0.0960



0.4960, 0.2302, 0.1042

Previews

White Background



This preview shows how the Yxy color 62.9853, 0.3381, 0.5427 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 62.9853, 0.3381, 0.5427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

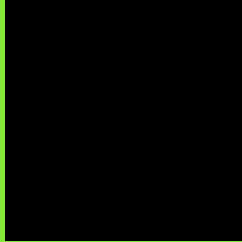
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.9853, 0.3381, 0.5427

Background



This preview shows how black text looks on a background with the Yxy color 62.9853, 0.3381, 0.5427.



This preview shows how white text looks on a background with the Yxy color 62.9853, 0.3381, 0.5427.

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

62.9853, 0.3381, 0.5427

Protanopia

62.0117, 0.4314, 0.4763

Deuteranopia

61.9307, 0.4400, 0.4322



Tritanopia

62.4232, 0.2643, 0.3072

Trichromacy



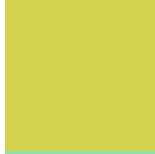
Original Color

62.9853, 0.3381, 0.5427



Protanomaly

61.0954, 0.3944, 0.5026



Deuteranomaly

60.4921, 0.4008, 0.4727



Tritanomaly

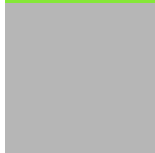
61.5912, 0.2969, 0.3988

Monochromacy



Original Color

62.9853, 0.3381, 0.5427



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.9786, 0.3302, 0.4165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9853, 0.3381, 0.5427 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(133, 232, 56)` looks like.

```
.text, #text, p{  
    color:rgb(133, 232, 56)  
}
```

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(133, 232, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 232, 56) }
```

Border

The CSS property to change the border of an element to Yxy 62.9853, 0.3381, 0.5427 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(133, 232, 56) }
```

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

```
.border{ border-color:rgb(133, 232, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 232, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 232, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 232, 56);  
box-shadow:4px 4px 4px 4px rgb(133, 232,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9853, 0.3381, 0.5427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 232, 56) }
```

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

```
.background{ background-color: rgb(133,  
232, 56) }
```

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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