

Converting Colors

$Y_{xy}(56.3300, 0.3410, 0.5130)$

Have a look what the booklet for
Yxy(56.3300, 0.3410, 0.5130)
contains.

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Color

Yxy(56.3556, 0.3406, 0.5128)

Conversions

Conversions Part 1

Format	Color
Hex	8DDA4E
RGB	141, 218, 78
RGB Percent	55%, 85%, 31%
CMY	0.4470, 0.1451, 0.6941
CMYK	0.35, 0.00, 0.64, 0.15
HSL	93°, 65%, 58%
HSV	93°, 64%, 85%
XYZ	37.4312, 56.3556, 16.1110
YIQ	179.0170, -0.9520, -59.8640

Conversions

Conversions Part 2

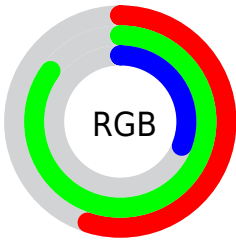
Format	Color
RYB	78, 218, 155
Decimal	9296462
CIELab	79.82, -46.50, 59.42
CIELCh	80, 75.451, 128.049
Yxy	56.3556, 0.3406, 0.5128
Android (android.graphics.Color)	4287486542 (0xFF8DDA4E)
YUV	179.0170, -49.8014, -33.3409
Hunter-Lab	75.0704, -42.3704, 39.8249

Details

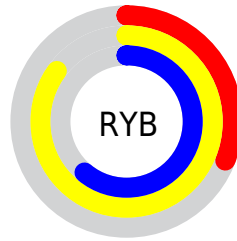
The Yxy color **56.3556, 0.3406, 0.5128** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.4787, 0.2522, 0.1526**, and the grayscale version is **45.3610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3556, 0.3450, 0.4633**, and **27.7572, 0.3378, 0.5629** is the 20% darker color. If you saturate the color by 10%, you get **55.1007, 0.3399, 0.5375**, and if you desaturate by 10%, it is **57.8328, 0.3393, 0.4845**.

Distribution



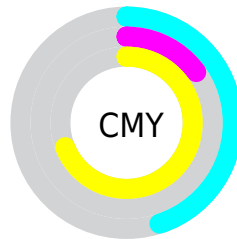
- Red (55%)
- Green (85%)
- Blue (31%)



- Red (31%)
- Yellow (85%)
- Blue (61%)



- Cyan (35%)
- Magenta (0%)
- Yellow (64%)
- Black (15%)





- Cyan (45%)
- Magenta (15%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3556, 0.3406, 0.5128 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 56.3556, 0.3406, 0.5128 by changing the saturation by 10% instead.


 56.3556, 0.3406,
0.5128

 56.3556, 0.3406,
0.5128


411.0302, 0.3334,
0.4197


 40.4881, 0.3399,
0.5352


 99.5243, 0.3398,
0.4793

 27.9193, 0.3376,
0.5629


 127.5943, 0.3389,
0.4666

 18.2648, 0.3320,
0.5977


 160.5006, 0.3380,
0.4558

 11.1403, 0.3205,
0.6423

 198.6276, 0.3370,
0.4465

 6.1613, 0.2981,
0.7019

 242.3596, 0.3360,
0.4384

 2.9434, 0.2449,
0.7551

292.0812, 0.3351,

 1.1023, 0.0000,

0.4314

1.0000

348.1766, 0.3342,
0.4252

■ 0.0000, 0.0000,
0.0000

■ 56.3556, 0.3406,
0.5128

■ 56.3556, 0.3406,
0.5128

■ 55.1007, 0.3399,
0.5375

■ 57.8328, 0.3393,
0.4845

■ 54.0464, 0.3372,
0.5572

■ 59.5377, 0.3363,
0.4543


■ 53.1784, 0.3325,
0.5709


■ 61.4841, 0.3320,
0.4236


■ 52.7477, 0.3293,
0.5767


■ 63.6828, 0.3268,
0.3937

■ 66.1436, 0.3211,
0.3655

 68.8759, 0.3152,
0.3393

 71.8884, 0.3093,
0.3155

 75.1896, 0.3036,
0.2941

 77.4884, 0.3102,
0.2925

Harmonies

Analogous

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



56.3556, 0.4272, 0.4858



56.3556, 0.3406, 0.5128



56.3556, 0.2515, 0.4618

Triad

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



56.3556, 0.3406, 0.5128



56.3556, 0.1566, 0.2037



56.3556, 0.4526, 0.2892

Complementary

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



56.3556, 0.3406, 0.5128



17.4787, 0.2522, 0.1526

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.



56.3556, 0.3562, 0.2343



56.3556, 0.3406, 0.5128



56.3556, 0.1913, 0.1866

Square

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



56.3556, 0.3406, 0.5128



56.3556, 0.1534, 0.2572



56.3556, 0.2594, 0.1982



56.3556, 0.5033, 0.3538

Rectangle

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



56.3556, 0.3406, 0.5128



56.3556, 0.2029, 0.3909



56.3556, 0.2594, 0.1982



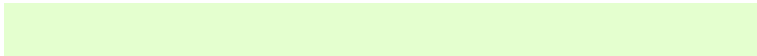
56.3556, 0.4234, 0.2694

Sweetspot

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



56.3580, 0.3406, 0.5128



92.5549, 0.3240, 0.3792



38.1297, 0.4518, 0.4139



19.5971, 0.3256, 0.3874



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.



56.3580, 0.3406, 0.5128



78.0363, 0.3392, 0.5449



52.3839, 0.3012, 0.5302



14.8917, 0.3183, 0.3527



31.6619, 0.3304, 0.5759



2.1019, 0.3432, 0.5657

Inverse Universe

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



17.4787, 0.2522, 0.1526



18.4882, 0.2360, 0.1230



25.1755, 0.3246, 0.1870



12.9683, 0.3067, 0.3054



5.4852, 0.2128, 0.0946



0.4063, 0.2297, 0.1039

Previews

White Background



This preview shows how the Yxy color 56.3556, 0.3406, 0.5128 looks on a white background.

Color Contrast Check

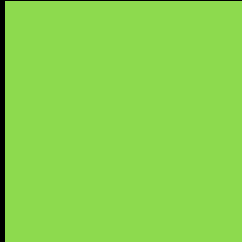
Large Text (above 18pt) WCAG AA × Fail

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 56.3556, 0.3406, 0.5128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

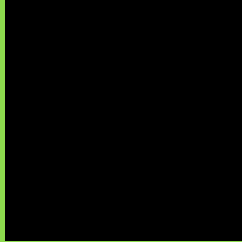
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3556, 0.3406, 0.5128

Background



This preview shows how black text looks on a background with the Yxy color 56.3556, 0.3406, 0.5128.



This preview shows how white text looks on a background with the Yxy color 56.3556, 0.3406, 0.5128.

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

56.3556, 0.3406, 0.5128

Protanopia

55.6160, 0.4205, 0.4617

Deuteranopia

55.4783, 0.4397, 0.4292



Tritanopia

56.0344, 0.2724, 0.3090

Trichromacy



Original Color

56.3556, 0.3406, 0.5128



Protanomaly

55.2334, 0.3888, 0.4821



Deuteranomaly

54.2937, 0.4021, 0.4594



Tritanomaly

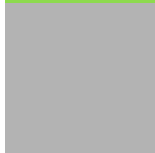
55.2981, 0.3001, 0.3842

Monochromacy



Original Color

56.3556, 0.3406, 0.5128



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.0923, 0.3279, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3556, 0.3406, 0.5128 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(141, 218, 78)` looks like.

```
.text, #text, p{  
    color:rgb(141, 218, 78)  
}
```

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(141, 218, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 218, 78) }
```

Border

The CSS property to change the border of an element to Yxy 56.3556, 0.3406, 0.5128 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(141, 218, 78) }
```

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

```
.border{ border-color:rgb(141, 218, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 218, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 218, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 218, 78);  
box-shadow:4px 4px 4px 4px rgb(141, 218,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3556, 0.3406, 0.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 218, 78) }
```

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

```
.background{ background-color: rgb(141,  
218, 78) }
```

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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