

Converting Colors

Yxy(56.5736, 0.3453, 0.5640)

Have a look what the booklet for
Yxy(56.5736, 0.3453, 0.5640)
contains.

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Color

Yxy(56.6782, 0.3455, 0.5639)

Conversions

Conversions Part 1

Format	Color
Hex	7EDE00
RGB	126, 222, 0
RGB Percent	49%, 87%, 0%
CMY	0.5058, 0.1294, 1.0000
CMYK	0.43, 0.00, 1.00, 0.13
HSL	86°, 100%, 44%
HSV	86°, 100%, 87%
XYZ	34.7266, 56.6782, 9.1063
YIQ	167.9880, 14.0460, -89.3940

Conversions

Conversions Part 2

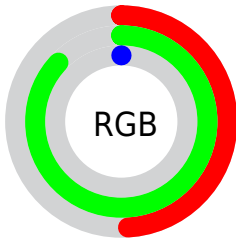
Format	Color
RYB	0, 222, 96
Decimal	8314368
CIELab	80.00, -56.34, 78.05
CIElCh	80, 96.261, 125.822
Yxy	56.6782, 0.3455, 0.5639
Android (android.graphics.Color)	4286504448 (0xFF7EDE00)
YUV	167.9880, -82.8181, -36.8235
Hunter-Lab	75.2849, -49.4122, 45.5279

Details

The Yxy color **56.6782, 0.3455, 0.5639** 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 **7.7603, 0.1887, 0.0813**, and the grayscale version is **39.5643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6310, 0.3560, 0.5100**, and **28.3292, 0.3224, 0.5822** is the 20% darker color. If you saturate the color by 10%, you get **56.6809, 0.3455, 0.5639**, and if you desaturate by 10%, it is **57.5048, 0.3502, 0.5539**.

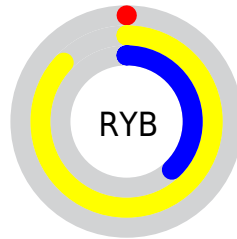
Distribution



Red (49%)

Green (87%)

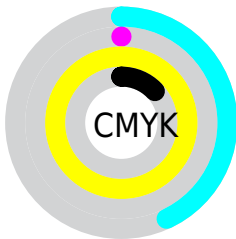
Blue (0%)



Red (0%)

Yellow (87%)

Blue (38%)

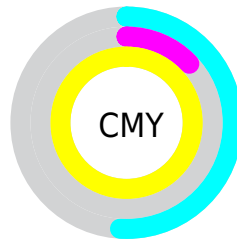


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (51%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6782, 0.3455, 0.5639 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 56.6782, 0.3455, 0.5639 by changing the saturation by 10% instead.


 56.6782, 0.3455,
0.5639


 56.6782, 0.3455,
0.5639


412.2424, 0.3417,
0.4473

 40.7469, 0.3419,
0.5899


 99.9955, 0.3475,
0.5233

 28.1214, 0.3348,
0.6205

 128.1503, 0.3472,
0.5074

 18.4172, 0.3223,
0.6574


 161.1484, 0.3466,
0.4938

 11.2499, 0.2998,
0.7002

 199.3742, 0.3457,
0.4819

 6.2352, 0.2585,
0.7415

 243.2121, 0.3448,
0.4716

 2.9886, 0.1961,
0.8039

 293.0465, 0.3437,

 1.1258, 0.0000,

0.4625

1.0000

349.2618, 0.3427,
0.4545

■ 0.0000, 0.0000,
0.0000

■ 56.6782, 0.3455,
0.5639

■ 56.6782, 0.3455,
0.5639

■ 56.6809, 0.3455,
0.5639

■ 57.5048, 0.3502,
0.5539

■ 58.4680, 0.3531,
0.5391

■ 59.5945, 0.3537,
0.5191

■ 60.8983, 0.3519,
0.4947

■ 62.3915, 0.3480,
0.4674

■ 64.0851, 0.3425,
0.4386

■ 65.9888, 0.3358,
0.4094

■ 68.1117, 0.3283,
0.3810

■ 70.4622, 0.3205,
0.3541

Harmonies

Analogous

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



56.6782, 0.4500, 0.5086



56.6782, 0.3455, 0.5639



56.6782, 0.2388, 0.5139

Triad

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



56.6782, 0.3455, 0.5639



56.6782, 0.1255, 0.1783



56.6782, 0.4820, 0.2716

Complementary

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



56.6782, 0.3455, 0.5639



7.7603, 0.1887, 0.0813

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.



56.6782, 0.3557, 0.2101



56.6782, 0.3455, 0.5639



56.6782, 0.1617, 0.1587

Square

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



56.6782, 0.3455, 0.5639



56.6782, 0.1229, 0.2421



56.6782, 0.2377, 0.1705



56.6782, 0.5488, 0.3438

Rectangle

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



56.6782, 0.3455, 0.5639



56.6782, 0.1804, 0.4190



56.6782, 0.2377, 0.1705



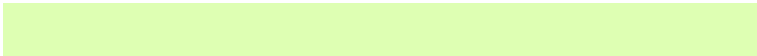
56.6782, 0.4432, 0.2493

Sweetspot

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



56.6809, 0.3455, 0.5639



90.2720, 0.3359, 0.4101



23.2715, 0.5669, 0.3881



19.0778, 0.3389, 0.4224



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.



56.6809, 0.3455, 0.5639



77.5165, 0.3450, 0.5643



52.3776, 0.3016, 0.5988



15.7192, 0.3201, 0.3526



33.7332, 0.3465, 0.5631



2.3908, 0.3573, 0.5545

Inverse Universe

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



7.7603, 0.1887, 0.0813



10.5514, 0.1880, 0.0809



18.0413, 0.2998, 0.1425



13.5316, 0.3048, 0.3052



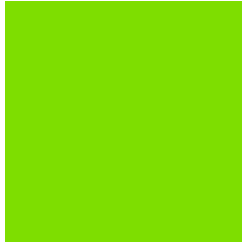
4.6722, 0.1902, 0.0822



0.3760, 0.2076, 0.0917

Previews

White Background



This preview shows how the Yxy color 56.6782, 0.3455, 0.5639 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 56.6782, 0.3455, 0.5639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

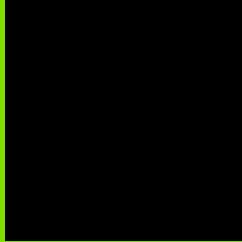
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6782, 0.3455, 0.5639

Background



This preview shows how black text looks on a background with the Yxy color 56.6782, 0.3455, 0.5639.



This preview shows how white text looks on a background with the Yxy color 56.6782, 0.3455, 0.5639.

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

56.6782, 0.3455, 0.5639

Protanopia

55.9178, 0.4399, 0.4889

Deuteranopia

55.6790, 0.4639, 0.4536



Tritanopia

56.1457, 0.2647, 0.3075

Trichromacy



Original Color

56.6782, 0.3455, 0.5639



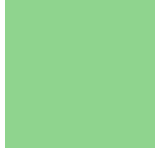
Protanomaly

55.1904, 0.4023, 0.5187



Deuteranomaly

54.2298, 0.4193, 0.4968



Tritanomaly

54.8796, 0.3088, 0.4263

Monochromacy



Original Color

56.6782, 0.3455, 0.5639



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.8003, 0.3441, 0.4462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6782, 0.3455, 0.5639 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(126, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 222, 0)  
}
```

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(126, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 222, 0) }
```

Border

The CSS property to change the border of an element to Yxy 56.6782, 0.3455, 0.5639 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(126, 222, 0) }
```

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

```
.border{ border-color:rgb(126, 222, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 222,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6782, 0.3455, 0.5639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 222, 0) }
```

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

```
.background{ background-color: rgb(126,  
222, 0) }
```

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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