

Converting Colors

Yxy(56.3167, 0.2813, 0.5099)

Have a look what the booklet for
Yxy(56.3167, 0.2813, 0.5099)
contains.

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Color

Yxy(56.5576, 0.2813, 0.5098)

Conversions

Conversions Part 1

Format	Color
Hex	2DE36B
RGB	45, 227, 107
RGB Percent	18%, 89%, 42%
CMY	0.8231, 0.1098, 0.5805
CMYK	0.80, 0.00, 0.53, 0.11
HSL	140°, 76%, 53%
HSV	140°, 80%, 89%
XYZ	31.2076, 56.5576, 23.1755
YIQ	158.9020, -69.9520, -75.9040

Conversions

Conversions Part 2

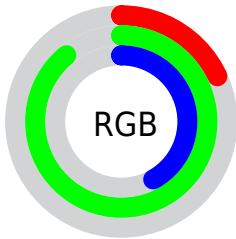
Format	Color
RYB	45, 181, 227
Decimal	3007339
CIELab	79.93, -68.55, 45.98
CIELCh	80, 82.546, 146.147
Yxy	56.5576, 0.2813, 0.5098
Android (android.graphics.Color)	4281197419 (0xFF2DE36B)
YUV	158.9020, -25.5877, -99.8921
Hunter-Lab	75.2048, -57.5365, 34.3722

Details

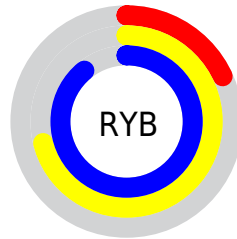
The Yxy color **56.5576, 0.2813, 0.5098** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **20.9374, 0.4024, 0.2137**, and the grayscale version is **34.7816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1582, 0.2871, 0.4482**, and **29.0253, 0.2869, 0.5527** is the 20% darker color. If you saturate the color by 10%, you get **55.8864, 0.2833, 0.5324**, and if you desaturate by 10%, it is **57.5646, 0.2810, 0.4851**.

Distribution



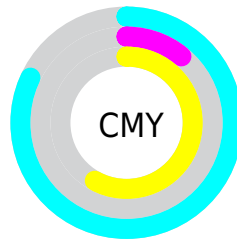
- Red (18%)
- Green (89%)
- Blue (42%)



- Red (18%)
- Yellow (71%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (53%)
- Black (11%)




- Cyan (82%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5576, 0.2813, 0.5098 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 56.5576, 0.2813, 0.5098 by changing the saturation by 10% instead.


 56.5576, 0.2813,
0.5098

 56.5576, 0.2813,
0.5098

411.7895, 0.3015,
0.4147


 40.6502, 0.2749,
0.5343


 99.8194, 0.2897,
0.4745


 28.0458, 0.2658,
0.5660

 127.9425, 0.2925,
0.4614

 18.3602, 0.2524,
0.6079


 160.9063, 0.2948,
0.4505

 11.2089, 0.2316,
0.6648

 199.0952, 0.2966,
0.4412

 6.2075, 0.1998,
0.7525

 242.8936, 0.2982,
0.4332

 2.9717, 0.1248,
0.8752

292.6858, 0.2994,


 1.1170, 0.0000,

0.4262

1.0000

348.8563, 0.3005,
0.4201

 0.0000, 0.0000,
0.0000

 56.5576, 0.2813,
0.5098

 56.5576, 0.2813,
0.5098


 55.8864, 0.2833,
0.5324

 57.5646, 0.2810,
0.4851


 55.4773, 0.2866,
0.5518


 58.9421, 0.2825,
0.4594

 60.7273, 0.2855,
0.4338


 62.9512, 0.2897,
0.4092

 65.6416, 0.2949,
0.3862

 68.8241, 0.3006,
0.3651

 72.5220, 0.3065,
0.3461

 76.7576, 0.3126,
0.3292

 81.5515, 0.3187,
0.3143

Harmonies

Analogous

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



56.5576, 0.3787, 0.5252



56.5576, 0.2813, 0.5098



56.5576, 0.1975, 0.4047

Triad

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



56.5576, 0.2813, 0.5098



56.5576, 0.1638, 0.1795



56.5576, 0.5068, 0.3252

Complementary

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



56.5576, 0.2813, 0.5098



20.9374, 0.4024, 0.2137

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.



56.5576, 0.4267, 0.2603



56.5576, 0.2813, 0.5098



56.5576, 0.2214, 0.1808

Square

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



56.5576, 0.2813, 0.5098



56.5576, 0.1405, 0.2106



56.5576, 0.3151, 0.2093



56.5576, 0.5170, 0.3964

Rectangle

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



56.5576, 0.2813, 0.5098



56.5576, 0.1614, 0.3216



56.5576, 0.3151, 0.2093



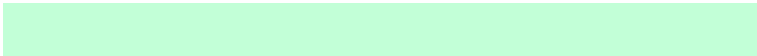
56.5576, 0.4869, 0.3026

Sweetspot

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



56.5599, 0.2813, 0.5098



87.8495, 0.2982, 0.3733



63.2758, 0.3663, 0.5298



18.4896, 0.2962, 0.3810



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.



56.5599, 0.2813, 0.5098



72.3845, 0.2855, 0.5454



59.5156, 0.2409, 0.3715



16.1697, 0.3070, 0.3449



32.3740, 0.2858, 0.5490



2.4092, 0.2776, 0.5194

Inverse Universe

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



20.9374, 0.4024, 0.2137



24.4496, 0.4268, 0.2140



18.7299, 0.5540, 0.3061



14.5275, 0.3190, 0.3136



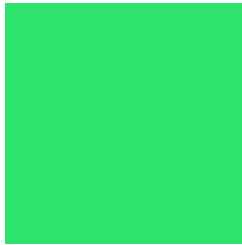
10.8271, 0.4297, 0.2141



0.8173, 0.4098, 0.2031

Previews

White Background



This preview shows how the Yxy color 56.5576, 0.2813, 0.5098 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 56.5576, 0.2813, 0.5098 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 56.5576, 0.2813, 0.5098

Background



This preview shows how black text looks on a background with the Yxy color 56.5576, 0.2813, 0.5098.



This preview shows how white text looks on a background with the Yxy color 56.5576, 0.2813, 0.5098.

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

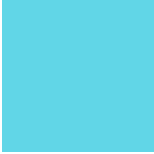
56.5576, 0.2813, 0.5098

Protanopia

55.0946, 0.4045, 0.4411

Deuteranopia

55.0021, 0.4144, 0.4052



Tritanopia

56.4040, 0.2359, 0.3065

Trichromacy



Original Color

56.5576, 0.2813, 0.5098



Protanomaly

52.4353, 0.3427, 0.4730



Deuteranomaly

51.7581, 0.3485, 0.4481



Tritanomaly

55.8279, 0.2515, 0.3761

Monochromacy



Original Color

56.5576, 0.2813, 0.5098



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.0260, 0.2924, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5576, 0.2813, 0.5098 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(45, 227, 107)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 107)  
}
```

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(45, 227, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 107) }
```

Border

The CSS property to change the border of an element to Yxy 56.5576, 0.2813, 0.5098 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(45, 227, 107) }
```

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

```
.border{ border-color:rgb(45, 227, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 227, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 107);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5576, 0.2813, 0.5098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 107) }
```

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

```
.background{ background-color: rgb(45, 227,  
107) }
```

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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