

Converting Colors

Yxy(56.2042, 0.3022, 0.4817)

Have a look what the booklet for
Yxy(56.2042, 0.3022, 0.4817)
contains.

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Color

Yxy(56.2019, 0.3022, 0.4817)

Conversions

Conversions Part 1

Format	Color
Hex	6DDD73
RGB	109, 221, 115
RGB Percent	43%, 87%, 45%
CMY	0.5725, 0.1333, 0.5490
CMYK	0.51, 0.00, 0.48, 0.13
HSL	123°, 62%, 65%
HSV	123°, 51%, 87%
XYZ	35.2589, 56.2019, 25.2133
YIQ	175.4280, -32.7260, -56.7100

Conversions

Conversions Part 2

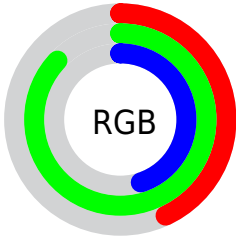
Format	Color
RYB	109, 215, 221
Decimal	7200115
CIELab	79.73, -53.36, 42.23
CIELCh	80, 68.051, 141.638
Yxy	56.2019, 0.3022, 0.4817
Android (android.graphics.Color)	4285390195 (0xFF6DDD73)
YUV	175.4280, -29.7910, -58.2574
Hunter-Lab	74.9679, -47.2418, 32.5371

Details

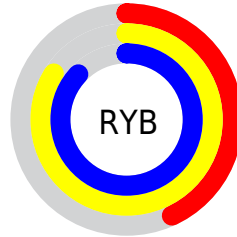
The Yxy color **56.2019, 0.3022, 0.4817** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **31.2177, 0.3244, 0.2130**, and the grayscale version is **43.2761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6001, 0.3068, 0.4306**, and **27.8613, 0.2938, 0.5279** is the 20% darker color. If you saturate the color by 10%, you get **54.5461, 0.3006, 0.5155**, and if you desaturate by 10%, it is **58.3239, 0.3042, 0.4472**.

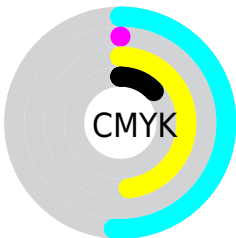
Distribution



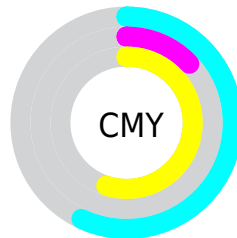
- Red (43%)
- Green (87%)
- Blue (45%)



- Red (43%)
- Yellow (84%)
- Blue (87%)



- Cyan (51%)
- Magenta (0%)
- Yellow (48%)
- Black (13%)





- Cyan (57%)
- Magenta (13%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2019, 0.3022, 0.4817 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 56.2019, 0.3022, 0.4817 by changing the saturation by 10% instead.


 56.2019, 0.3022,
0.4817

 56.2019, 0.3022,
0.4817


410.4519, 0.3110,
0.4024


 40.3648, 0.2988,
0.5020


 99.2997, 0.3062,
0.4524

 27.8231, 0.2938,
0.5281


 127.3292, 0.3075,
0.4415

 18.1924, 0.2860,
0.5627


 160.1917, 0.3085,
0.4324

 11.0882, 0.2729,
0.6101


198.2715, 0.3092,
0.4246

 6.1262, 0.2505,
0.6795

241.9530, 0.3098,
0.4179

 2.9220, 0.2093,
0.7907

291.6207, 0.3103,

 1.0911, 0.0000,

0.4121

1.0000

347.6589, 0.3107,
0.4069

■ 0.0000, 0.0000,
0.0000

■ 56.2019, 0.3022,
0.4817

■ 56.2019, 0.3022,
0.4817

■ 54.5461, 0.3006,
0.5155

■ 58.3239, 0.3042,
0.4472

■ 53.3151, 0.2994,
0.5461

■ 60.9360, 0.3063,
0.4138

■ 52.4720, 0.2989,
0.5710


■ 64.0688, 0.3085,
0.3829


■ 51.9703, 0.2990,
0.5883

■ 67.7484, 0.3106,
0.3551

■ 51.7405, 0.2992,
0.5973

■ 71.9992, 0.3126,
0.3305

 76.8440, 0.3144,
0.3092

 80.1943, 0.3143,
0.2960

Harmonies

Analogous

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



56.2019, 0.3854, 0.4895



56.2019, 0.3022, 0.4817



56.2019, 0.2263, 0.4063

Triad

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



56.2019, 0.3022, 0.4817



56.2019, 0.1795, 0.2031



56.2019, 0.4670, 0.3203

Complementary

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



56.2019, 0.3022, 0.4817



31.2177, 0.3244, 0.2130

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.



56.2019, 0.3944, 0.2637



56.2019, 0.3022, 0.4817



56.2019, 0.2262, 0.1993

Square

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



56.2019, 0.3022, 0.4817



56.2019, 0.1633, 0.2375



56.2019, 0.3025, 0.2210



56.2019, 0.4877, 0.3830

Rectangle

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



56.2019, 0.3022, 0.4817



56.2019, 0.1903, 0.3397



56.2019, 0.3025, 0.2210



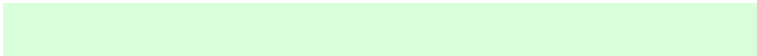
56.2019, 0.4475, 0.3004

Sweetspot

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



56.2042, 0.3022, 0.4817



91.3375, 0.3097, 0.3670



67.3268, 0.3821, 0.4532



19.3204, 0.3092, 0.3730



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.



56.2042, 0.3022, 0.4817



75.2764, 0.3004, 0.5181



57.8913, 0.2726, 0.3998



14.6175, 0.3109, 0.3518



30.0612, 0.2990, 0.5964



1.9516, 0.2960, 0.5854

Inverse Universe

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



31.2177, 0.3244, 0.2130



36.9634, 0.3271, 0.1935



28.8290, 0.3895, 0.2700



13.2622, 0.3146, 0.3072



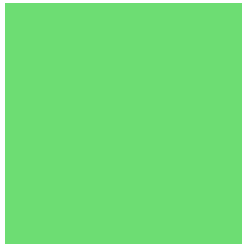
11.6138, 0.3348, 0.1618



0.7562, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 56.2019, 0.3022, 0.4817 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 56.2019, 0.3022, 0.4817 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 56.2019, 0.3022, 0.4817

Background



This preview shows how black text looks on a background with the Yxy color 56.2019, 0.3022, 0.4817.

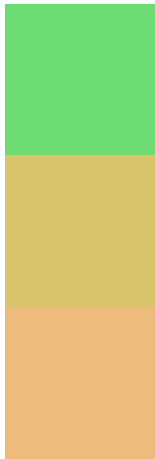


This preview shows how white text looks on a background with the Yxy color 56.2019, 0.3022, 0.4817.

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

56.2019, 0.3022, 0.4817

Protanopia

55.1194, 0.3977, 0.4327

Deuteranopia

54.9752, 0.4089, 0.3994



Tritanopia

56.1055, 0.2540, 0.3083

Trichromacy



Original Color

56.2019, 0.3022, 0.4817



Protanomaly

54.1139, 0.3575, 0.4528



Deuteranomaly

53.1501, 0.3637, 0.4291



Tritanomaly

55.4513, 0.2718, 0.3675

Monochromacy



Original Color

56.2019, 0.3022, 0.4817



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.5785, 0.3085, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2019, 0.3022, 0.4817 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(109, 221, 115)` looks like.

```
.text, #text, p{  
    color:rgb(109, 221, 115)  
}
```

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(109, 221, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 221, 115) }
```

Border

The CSS property to change the border of an element to Yxy 56.2019, 0.3022, 0.4817 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(109, 221, 115) }
```

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

```
.border{ border-color:rgb(109, 221, 115) }
```

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

Here you see how a box with a 4 pixel rgb(109, 221, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 221, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 221, 115);  
box-shadow:4px 4px 4px 4px rgb(109, 221,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2019, 0.3022, 0.4817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 221, 115) }
```

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

```
.background{ background-color: rgb(109,  
221, 115) }
```

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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