

Converting Colors

Yxy(56.6620, 0.3014, 0.4808)

Have a look what the booklet for
Yxy(56.6620, 0.3014, 0.4808)
contains.

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Color

Yxy(56.7547, 0.3017, 0.4812)

Conversions

Conversions Part 1

Format	Color
Hex	6DDE74
RGB	109, 222, 116
RGB Percent	43%, 87%, 45%
CMY	0.5724, 0.1294, 0.5450
CMYK	0.51, 0.00, 0.48, 0.13
HSL	124°, 63%, 65%
HSV	124°, 51%, 87%
XYZ	35.5837, 56.7547, 25.6057
YIQ	176.1290, -33.3220, -56.9220

Conversions

Conversions Part 2

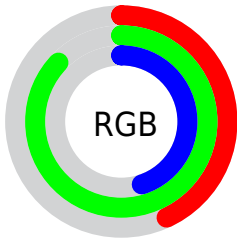
Format	Color
RYB	109, 215, 222
Decimal	7200372
CIELab	80.04, -53.61, 42.14
CIElCh	80, 68.188, 141.830
Yxy	56.7547, 0.3017, 0.4812
Android (android.graphics.Color)	4285390452 (0xFF6DDE74)
YUV	176.1290, -29.6436, -58.8721
Hunter-Lab	75.3357, -47.5256, 32.5831

Details

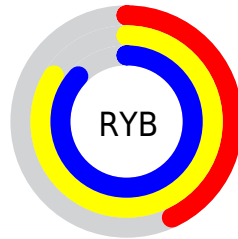
The Yxy color **56.7547, 0.3017, 0.4812** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **31.3811, 0.3254, 0.2134**, and the grayscale version is **43.6632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6378, 0.3063, 0.4294**, and **28.2349, 0.2934, 0.5270** is the 20% darker color. If you saturate the color by 10%, you get **55.0903, 0.3001, 0.5148**, and if you desaturate by 10%, it is **58.8880, 0.3037, 0.4469**.

Distribution



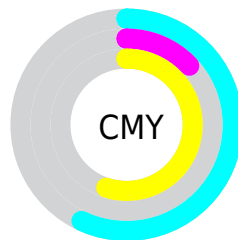
- Red (43%)
- Green (87%)
- Blue (45%)



- 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 56.7547, 0.3017, 0.4812 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 56.7547, 0.3017, 0.4812 by changing the saturation by 10% instead.


 56.7547, 0.3017,
0.4812

 56.7547, 0.3017,
0.4812


412.5295, 0.3107,
0.4023


 40.8083, 0.2983,
0.5014


 100.1072, 0.3058,
0.4521

 28.1693, 0.2933,
0.5273


 128.2821, 0.3071,
0.4413

 18.4534, 0.2855,
0.5617


 161.3019, 0.3081,
0.4322

 11.2760, 0.2725,
0.6087

199.5511, 0.3088,
0.4244

 6.2528, 0.2501,
0.6768

243.4141, 0.3095,
0.4177

 2.9994, 0.2106,
0.7894

293.2752, 0.3099,

 1.1314, 0.0000,

0.4119

1.0000

349.5189, 0.3103,
0.4068

■ 0.0046, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7547, 0.3017,
0.4812

■ 56.7547, 0.3017,
0.4812

■ 55.0903, 0.3001,
0.5148

■ 58.8880, 0.3037,
0.4469

■ 53.8531, 0.2990,
0.5453


■ 61.5143, 0.3059,
0.4138

■ 53.0059, 0.2985,
0.5702


■ 64.6642, 0.3082,
0.3830

■ 52.5018, 0.2987,
0.5877

■ 68.3642, 0.3104,
0.3554

 52.2735, 0.2991,
0.5968

 72.6387, 0.3125,
0.3310

 77.5107, 0.3145,
0.3098

 80.7225, 0.3142,
0.2970

Harmonies

Analogous

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



56.7547, 0.3849, 0.4895



56.7547, 0.3017, 0.4812



56.7547, 0.2260, 0.4055

Triad

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



56.7547, 0.3017, 0.4812



56.7547, 0.1799, 0.2032



56.7547, 0.4672, 0.3207

Complementary

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



56.7547, 0.3017, 0.4812



31.3811, 0.3254, 0.2134

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.



56.7547, 0.3949, 0.2641



56.7547, 0.3017, 0.4812



56.7547, 0.2267, 0.1995

Square

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



56.7547, 0.3017, 0.4812



56.7547, 0.1634, 0.2373



56.7547, 0.3031, 0.2213



56.7547, 0.4874, 0.3834

Rectangle

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



56.7547, 0.3017, 0.4812



56.7547, 0.1902, 0.3390



56.7547, 0.3031, 0.2213



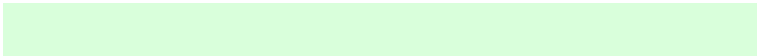
56.7547, 0.4477, 0.3008

Sweetspot

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



56.7571, 0.3017, 0.4812



91.3539, 0.3095, 0.3667



67.9999, 0.3823, 0.4537



19.3242, 0.3090, 0.3726



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.



56.7571, 0.3017, 0.4812



75.3036, 0.3000, 0.5167



58.4423, 0.2725, 0.4002



15.3509, 0.3107, 0.3517



31.0549, 0.2989, 0.5959



2.1575, 0.2956, 0.5840

Inverse Universe

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



31.3811, 0.3254, 0.2134



36.8854, 0.3283, 0.1944



29.0073, 0.3900, 0.2698



13.9202, 0.3147, 0.3073



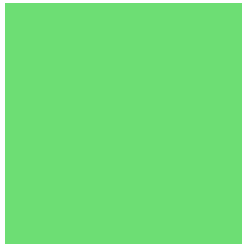
11.9437, 0.3370, 0.1630



0.8324, 0.3343, 0.1615

Previews

White Background



This preview shows how the Yxy color 56.7547, 0.3017, 0.4812 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 56.7547, 0.3017, 0.4812 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 56.7547, 0.3017, 0.4812

Background



This preview shows how black text looks on a background with the Yxy color 56.7547, 0.3017, 0.4812.



This preview shows how white text looks on a background with the Yxy color 56.7547, 0.3017, 0.4812.

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

56.7547, 0.3017, 0.4812

Protanopia

55.7458, 0.3973, 0.4323

Deuteranopia

55.5988, 0.4084, 0.3992



Tritanopia

56.7076, 0.2532, 0.3072

Trichromacy



Original Color

56.7547, 0.3017, 0.4812



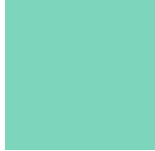
Protanomaly

54.7334, 0.3574, 0.4523



Deuteranomaly

53.7654, 0.3635, 0.4287



Tritanomaly

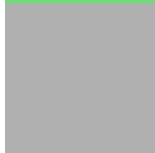
56.0410, 0.2708, 0.3659

Monochromacy



Original Color

56.7547, 0.3017, 0.4812



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.1484, 0.3085, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7547, 0.3017, 0.4812 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, 222, 116)` looks like.

```
.text, #text, p{  
    color:rgb(109, 222, 116)  
}
```

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, 222, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 222, 116) }
```

Border

The CSS property to change the border of an element to Yxy 56.7547, 0.3017, 0.4812 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, 222, 116) }
```

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

```
.border{ border-color:rgb(109, 222, 116) }
```

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

Here you see how a box with a 4 pixel rgb(109, 222, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 222, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 222, 116);  
box-shadow:4px 4px 4px 4px rgb(109, 222,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7547, 0.3017, 0.4812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 222, 116) }
```

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

```
.background{ background-color: rgb(109,  
222, 116) }
```

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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