

Converting Colors

$Yxy(55.4877, 0.2970, 0.4618)$

Have a look what the booklet for
Yxy(55.4877, 0.2970, 0.4618)
contains.

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Color

Yxy(55.5748, 0.2971, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	6FDB7F
RGB	111, 219, 127
RGB Percent	44%, 86%, 50%
CMY	0.5648, 0.1411, 0.5019
CMYK	0.49, 0.00, 0.42, 0.14
HSL	129°, 60%, 65%
HSV	129°, 49%, 86%
XYZ	35.7155, 55.5748, 28.9234
YIQ	176.2200, -34.8360, -51.5080

Conversions

Conversions Part 2

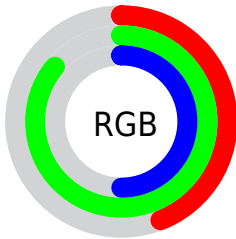
Format	Color
RYB	111, 205, 219
Decimal	7330687
CIELab	79.37, -50.27, 35.87
CIELCh	79, 61.758, 144.495
Yxy	55.5748, 0.2971, 0.4623
Android (android.graphics.Color)	4285520767 (0xFF6FDB7F)
YUV	176.2200, -24.2655, -57.1979
Hunter-Lab	74.5485, -44.9422, 29.1805

Details

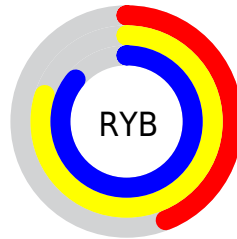
The Yxy color **55.5748, 0.2971, 0.4623** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.7357, 0.3348, 0.2253**, and the grayscale version is **43.6776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2912, 0.3018, 0.4157**, and **27.3943, 0.2889, 0.5035** is the 20% darker color. If you saturate the color by 10%, you get **53.8846, 0.2951, 0.4941**, and if you desaturate by 10%, it is **57.7079, 0.2998, 0.4309**.

Distribution



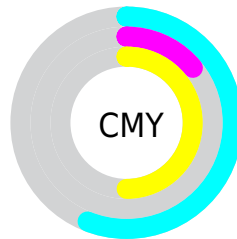
- Red (44%)
- Green (86%)
- Blue (50%)



- Red (44%)
- Yellow (80%)
- Blue (86%)



- Cyan (49%)
- Magenta (0%)
- Yellow (42%)
- Black (14%)




- Cyan (56%)
- Magenta (14%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5748, 0.2971, 0.4623 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 55.5748, 0.2971, 0.4623 by changing the saturation by 10% instead.


 55.5748, 0.2971,
0.4623


 55.5748, 0.2971,
0.4623

408.0871, 0.3074,
0.3931

 39.8621, 0.2937,
0.4801

 98.3826, 0.3015,
0.4367

 27.4311, 0.2888,
0.5032


 126.2465, 0.3029,
0.4272

 17.8972, 0.2815,
0.5341


 158.9297, 0.3041,
0.4192

 10.8762, 0.2698,
0.5772

196.8164, 0.3050,
0.4124

 5.9837, 0.2494,
0.6400

240.2911, 0.3058,
0.4066

 2.8351, 0.2224,
0.7776

289.7382, 0.3064,

 1.0463, 0.0000,

0.4015

1.0000

345.5421, 0.3070,
0.3970

■ 0.0000, 0.0000,
0.0000

■ 55.5748, 0.2971,
0.4623

■ 55.5748, 0.2971,
0.4623

■ 53.8846, 0.2951,
0.4941

■ 57.7079, 0.2998,
0.4309

■ 52.5993, 0.2941,
0.5244

■ 60.3048, 0.3029,
0.4011

■ 51.6864, 0.2941,
0.5513

■ 63.3933, 0.3062,
0.3738


■ 51.1049, 0.2951,
0.5729


■ 66.9972, 0.3096,
0.3493

■ 50.7903, 0.2968,
0.5880

■ 71.1385, 0.3129,
0.3276

 50.7737, 0.2969,
0.5888

 75.8383, 0.3161,
0.3088

 79.1468, 0.3144,
0.2940

Harmonies

Analogous

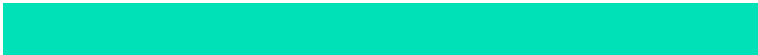
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.5748, 0.3742, 0.4775



55.5748, 0.2971, 0.4623



55.5748, 0.2284, 0.3906

Triad

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



55.5748, 0.2971, 0.4623



55.5748, 0.1922, 0.2113



55.5748, 0.4575, 0.3277

Complementary

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



55.5748, 0.2971, 0.4623



30.7357, 0.3348, 0.2253

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.



55.5748, 0.3951, 0.2736



55.5748, 0.2971, 0.4623



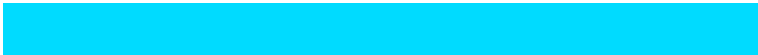
55.5748, 0.2389, 0.2097

Square

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



55.5748, 0.2971, 0.4623



55.5748, 0.1743, 0.2412



55.5748, 0.3116, 0.2319



55.5748, 0.4724, 0.3867

Rectangle

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



55.5748, 0.2971, 0.4623



55.5748, 0.1965, 0.3313



55.5748, 0.3116, 0.2319



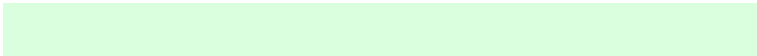
55.5748, 0.4411, 0.3088

Sweetspot

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



55.5771, 0.2971, 0.4623



91.5302, 0.3076, 0.3631



64.7367, 0.3732, 0.4536



19.3660, 0.3069, 0.3685



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.



55.5771, 0.2971, 0.4623



76.0250, 0.2951, 0.4946



57.3154, 0.2685, 0.3842



14.6376, 0.3096, 0.3495



30.1141, 0.2964, 0.5871



1.9611, 0.2893, 0.5615

Inverse Universe

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



30.7357, 0.3348, 0.2253



37.1367, 0.3405, 0.2076



28.6459, 0.3981, 0.2820



13.2399, 0.3160, 0.3093



11.0578, 0.3621, 0.1769



0.7256, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 55.5748, 0.2971, 0.4623 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 55.5748, 0.2971, 0.4623 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 55.5748, 0.2971, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 55.5748, 0.2971, 0.4623.

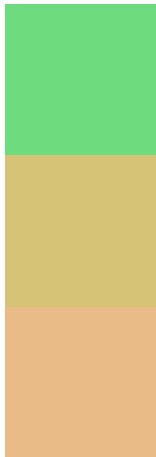


This preview shows how white text looks on a background with the Yxy color 55.5748, 0.2971, 0.4623.

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

55.5748, 0.2971, 0.4623

Protanopia

54.6344, 0.3881, 0.4197

Deuteranopia

54.6136, 0.3957, 0.3876



Tritanopia

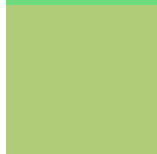
55.4801, 0.2538, 0.3082

Trichromacy



Original Color

55.5748, 0.2971, 0.4623



Protanomaly

53.9133, 0.3501, 0.4372



Deuteranomaly

53.3316, 0.3543, 0.4146



Tritanomaly

55.1211, 0.2693, 0.3605

Monochromacy



Original Color

55.5748, 0.2971, 0.4623



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.8433, 0.3057, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5748, 0.2971, 0.4623 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(111, 219, 127)` looks like.

```
.text, #text, p{  
    color:rgb(111, 219, 127)  
}
```

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(111, 219, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 219, 127) }
```

Border

The CSS property to change the border of an element to Yxy 55.5748, 0.2971, 0.4623 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(111, 219, 127) }
```

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

```
.border{ border-color:rgb(111, 219, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 219, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 219, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 219, 127);  
box-shadow:4px 4px 4px 4px rgb(111, 219,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5748, 0.2971, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 219, 127) }
```

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

```
.background{ background-color: rgb(111,  
219, 127) }
```

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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