

Converting Colors

$Y_{xy}(55.1200, 0.3132, 0.4778)$

Have a look what the booklet for
Yxy(55.1200, 0.3132, 0.4778)
contains.

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Color

Yxy(55.1555, 0.3136, 0.4779)

Conversions

Conversions Part 1

Format	Color
Hex	7DD970
RGB	125, 217, 112
RGB Percent	49%, 85%, 44%
CMY	0.5098, 0.1490, 0.5608
CMYK	0.42, 0.00, 0.48, 0.15
HSL	113°, 58%, 65%
HSV	113°, 48%, 85%
XYZ	36.1933, 55.1555, 24.0634
YIQ	177.5220, -21.1270, -52.1590

Conversions

Conversions Part 2

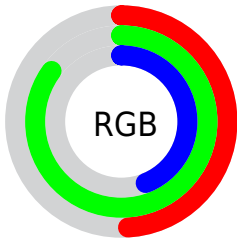
Format	Color
RYB	112, 217, 204
Decimal	8247664
CIELab	79.13, -47.64, 43.10
CIELCh	79, 64.240, 137.863
Yxy	55.1555, 0.3136, 0.4779
Android (android.graphics.Color)	4286437744 (0xFF7DD970)
YUV	177.5220, -32.3023, -46.0618
Hunter-Lab	74.2667, -42.9763, 32.7759

Details

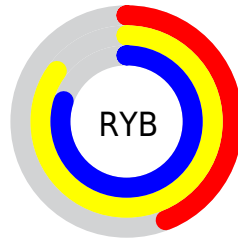
The Yxy color **55.1555, 0.3136, 0.4779** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **29.4336, 0.3050, 0.2077**, and the grayscale version is **44.4366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1817, 0.3178, 0.4326**, and **27.0556, 0.3082, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **53.4348, 0.3124, 0.5119**, and if you desaturate by 10%, it is **57.2712, 0.3142, 0.4432**.

Distribution



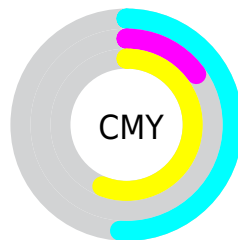
- Red (49%)
- Green (85%)
- Blue (44%)



- Red (44%)
- Yellow (85%)
- Blue (80%)



- Cyan (42%)
- Magenta (0%)
- Yellow (48%)
- Black (15%)





- Cyan (51%)
- Magenta (15%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1555, 0.3136, 0.4779 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 55.1555, 0.3136, 0.4779 by changing the saturation by 10% instead.


 55.1555, 0.3136,
0.4779


 55.1555, 0.3136,
0.4779


406.5011, 0.3167,
0.4008

 39.5262, 0.3116,
0.4975


 97.7687, 0.3156,
0.4495

 27.1693, 0.3082,
0.5227


 125.5215, 0.3161,
0.4389

 17.7005, 0.3025,
0.5559


 158.0843, 0.3164,
0.4301

 10.7351, 0.2920,
0.6011

195.8413, 0.3166,
0.4225

 5.8890, 0.2740,
0.6694

239.1772, 0.3167,
0.4159

 2.7777, 0.2343,
0.7657

288.4761, 0.3168,

 1.0168, 0.0000,

0.4102

1.0000

344.1227, 0.3168,
0.4052

■ 0.0000, 0.0000,
0.0000

■ 55.1555, 0.3136,
0.4779

■ 55.1555, 0.3136,
0.4779

■ 53.4348, 0.3124,
0.5119

■ 57.2712, 0.3142,
0.4432

■ 52.0780, 0.3107,
0.5429

■ 59.7971, 0.3142,
0.4096

■ 51.0604, 0.3084,
0.5684

■ 62.7559, 0.3139,
0.3784

■ 50.3513, 0.3058,
0.5864


■ 66.1666, 0.3133,
0.3502

■ 49.9114, 0.3032,
0.5965

■ 70.0473, 0.3126,
0.3252

 49.8602, 0.3029,
0.5977

 74.4148, 0.3117,
0.3032

 78.1089, 0.3145,
0.2920

Harmonies

Analogous

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



55.1555, 0.3926, 0.4788



55.1555, 0.3136, 0.4779



55.1555, 0.2387, 0.4135

Triad

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



55.1555, 0.3136, 0.4779



55.1555, 0.1814, 0.2110



55.1555, 0.4530, 0.3141

Complementary

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



55.1555, 0.3136, 0.4779



29.4336, 0.3050, 0.2077

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.



55.1555, 0.3797, 0.2605



55.1555, 0.3136, 0.4779



55.1555, 0.2228, 0.2036

Square

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



55.1555, 0.3136, 0.4779



55.1555, 0.1694, 0.2487



55.1555, 0.2928, 0.2215



55.1555, 0.4801, 0.3743

Rectangle

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



55.1555, 0.3136, 0.4779



55.1555, 0.2013, 0.3513



55.1555, 0.2928, 0.2215



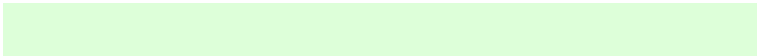
55.1555, 0.4324, 0.2951

Sweetspot

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



55.1578, 0.3136, 0.4779



91.9653, 0.3138, 0.3689



58.6359, 0.3907, 0.4331



19.4690, 0.3139, 0.3751



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.



55.1578, 0.3136, 0.4779



76.9748, 0.3124, 0.5124



55.2909, 0.2847, 0.4249



14.6831, 0.3134, 0.3530



30.2054, 0.3034, 0.5973



1.9829, 0.3113, 0.5911

Inverse Universe

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



29.4336, 0.3050, 0.2077



35.7070, 0.3024, 0.1857



29.5729, 0.3604, 0.2508



13.1888, 0.3118, 0.3058



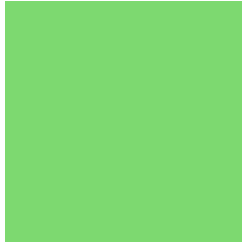
9.7013, 0.2900, 0.1371



0.6519, 0.2953, 0.1401

Previews

White Background



This preview shows how the Yxy color 55.1555, 0.3136, 0.4779 looks on a white background.

Color Contrast Check

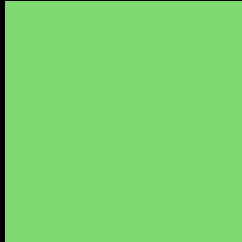
Large Text (above 18pt) WCAG AA × Fail

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 55.1555, 0.3136, 0.4779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

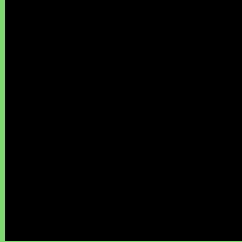
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1555, 0.3136, 0.4779

Background



This preview shows how black text looks on a background with the Yxy color 55.1555, 0.3136, 0.4779.



This preview shows how white text looks on a background with the Yxy color 55.1555, 0.3136, 0.4779.

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

55.1555, 0.3136, 0.4779

Protanopia

54.4768, 0.3987, 0.4341

Deuteranopia

54.3067, 0.4109, 0.4018



Tritanopia

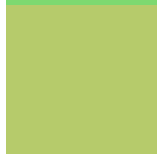
54.9941, 0.2621, 0.3085

Trichromacy



Original Color

55.1555, 0.3136, 0.4779



Protanomaly

53.7185, 0.3638, 0.4514



Deuteranomaly

52.9526, 0.3719, 0.4287



Tritanomaly

54.3404, 0.2813, 0.3672

Monochromacy



Original Color

55.1555, 0.3136, 0.4779



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.4033, 0.3142, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1555, 0.3136, 0.4779 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(125, 217, 112)` looks like.

```
.text, #text, p{  
    color:rgb(125, 217, 112)  
}
```

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(125, 217, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 217, 112) }
```

Border

The CSS property to change the border of an element to Yxy 55.1555, 0.3136, 0.4779 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(125, 217, 112) }
```

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

```
.border{ border-color:rgb(125, 217, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 217, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 217, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 217, 112);  
box-shadow:4px 4px 4px 4px rgb(125, 217,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1555, 0.3136, 0.4779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 217, 112) }
```

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

```
.background{ background-color: rgb(125,  
217, 112) }
```

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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