

Converting Colors

$Yxy(55.7708, 0.2906, 0.4368)$

Have a look what the booklet for
Yxy(55.7708, 0.2906, 0.4368)
contains.

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Color

Yxy(55.7708, 0.2906, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	73DA8F
RGB	115, 218, 143
RGB Percent	45%, 85%, 56%
CMY	0.5489, 0.1451, 0.4391
CMYK	0.47, 0.00, 0.34, 0.15
HSL	136°, 58%, 65%
HSV	136°, 47%, 85%
XYZ	37.1039, 55.7708, 34.8057
YIQ	178.6530, -37.3130, -45.1610

Conversions

Conversions Part 2

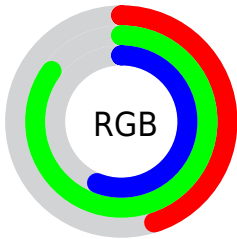
Format	Color
RYB	115, 196, 218
Decimal	7592591
CIELab	79.48, -46.14, 27.88
CIELCh	79, 53.908, 148.862
Yxy	55.7708, 0.2906, 0.4368
Android (android.graphics.Color)	4285782671 (0xFF73DA8F)
YUV	178.6530, -17.5769, -55.8237
Hunter-Lab	74.6799, -42.0038, 24.6429

Details

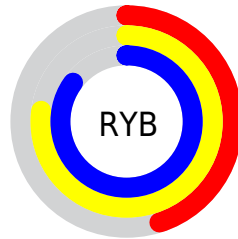
The Yxy color **55.7708, 0.2906, 0.4368** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.8916, 0.3476, 0.2421**, and the grayscale version is **45.0010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3219, 0.2951, 0.3960**, and **27.4541, 0.2818, 0.4694** is the 20% darker color. If you saturate the color by 10%, you get **54.0177, 0.2877, 0.4646**, and if you desaturate by 10%, it is **57.9460, 0.2945, 0.4101**.

Distribution



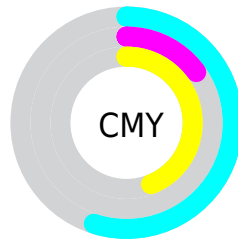
- Red (45%)
- Green (85%)
- Blue (56%)



- Red (45%)
- Yellow (77%)
- Blue (85%)



- Cyan (47%)
- Magenta (0%)
- Yellow (34%)
- Black (15%)



- Cyan (55%)
- Magenta (15%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7708, 0.2906, 0.4368 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 55.7708, 0.2906, 0.4368 by changing the saturation by 10% instead.


 55.7708, 0.2906,
0.4368


 55.7708, 0.2906,
0.4368


408.8272, 0.3031,
0.3812

 40.0192, 0.2870,
0.4511


 98.6694, 0.2955,
0.4162

 27.5535, 0.2822,
0.4697


 126.5851, 0.2972,
0.4086

 17.9894, 0.2752,
0.4947


 159.3244, 0.2987,
0.4022

 10.9423, 0.2648,
0.5299

197.2716, 0.2998,
0.3968

 6.0281, 0.2476,
0.5826

240.8110, 0.3009,
0.3921

 2.8622, 0.2212,
0.6834

290.3272, 0.3017,

 1.0602, 0.0000,

0.3880

1.0000

346.2044, 0.3025,
0.3844

0.0000, 0.0000,
0.0000

55.7708, 0.2906,
0.4368

55.7708, 0.2906,
0.4368

54.0177, 0.2877,
0.4646

57.9460, 0.2945,
0.4101

52.6520, 0.2861,
0.4925

60.5616, 0.2990,
0.3852

51.6446, 0.2860,
0.5191


63.6432, 0.3039,
0.3625


50.9590, 0.2874,
0.5430

67.2124, 0.3090,
0.3422


50.5474, 0.2902,
0.5629

71.2892, 0.3141,
0.3243

 50.4608, 0.2910,
0.5677

 75.8929, 0.3191,
0.3085

 78.5666, 0.3150,
0.2938

 78.6222, 0.3144,
0.2930

Harmonies

Analogous

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



55.7708, 0.3590, 0.4595



55.7708, 0.2906, 0.4368



55.7708, 0.2318, 0.3715

Triad

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



55.7708, 0.2906, 0.4368



55.7708, 0.2101, 0.2227



55.7708, 0.4438, 0.3371

Complementary

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



55.7708, 0.2906, 0.4368



30.8916, 0.3476, 0.2421

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.



55.7708, 0.3945, 0.2869



55.7708, 0.2906, 0.4368



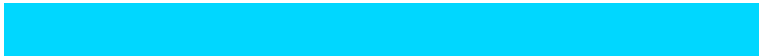
55.7708, 0.2560, 0.2241

Square

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



55.7708, 0.2906, 0.4368



55.7708, 0.1899, 0.2466



55.7708, 0.3229, 0.2470



55.7708, 0.4514, 0.3902

Rectangle

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



55.7708, 0.2906, 0.4368



55.7708, 0.2054, 0.3214



55.7708, 0.3229, 0.2470



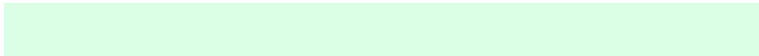
55.7708, 0.4315, 0.3197

Sweetspot

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



55.7731, 0.2906, 0.4368



92.2841, 0.3055, 0.3559



62.3976, 0.3600, 0.4535



19.5253, 0.3044, 0.3605



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.



55.7731, 0.2906, 0.4368



76.9879, 0.2876, 0.4654



57.6829, 0.2625, 0.3616



14.6641, 0.3079, 0.3465



30.2472, 0.2904, 0.5653



1.9739, 0.2813, 0.5327

Inverse Universe

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



30.8916, 0.3476, 0.2421



37.2675, 0.3581, 0.2258



29.0395, 0.4106, 0.3003



13.2113, 0.3179, 0.3121



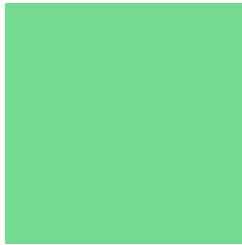
10.4428, 0.4037, 0.1998



0.6907, 0.3872, 0.1907

Previews

White Background



This preview shows how the Yxy color 55.7708, 0.2906, 0.4368 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 55.7708, 0.2906, 0.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

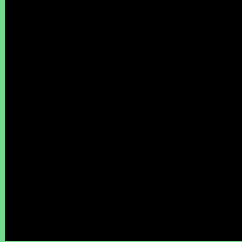
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7708, 0.2906, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 55.7708, 0.2906, 0.4368.



This preview shows how white text looks on a background with the Yxy color 55.7708, 0.2906, 0.4368.

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

55.7708, 0.2906, 0.4368

Protanopia

55.1981, 0.3739, 0.4032

Deuteranopia

54.9914, 0.3802, 0.3725



Tritanopia

55.6163, 0.2538, 0.3070

Trichromacy



Original Color

55.7708, 0.2906, 0.4368



Protanomaly

54.3390, 0.3393, 0.4167



Deuteranomaly

53.6448, 0.3424, 0.3957



Tritanomaly

55.5391, 0.2671, 0.3519

Monochromacy



Original Color

55.7708, 0.2906, 0.4368



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.9610, 0.3031, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7708, 0.2906, 0.4368 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(115, 218, 143)` looks like.

```
.text, #text, p{  
    color:rgb(115, 218, 143)  
}
```

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(115, 218, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 218, 143) }
```

Border

The CSS property to change the border of an element to Yxy 55.7708, 0.2906, 0.4368 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(115, 218, 143) }
```

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

```
.border{ border-color:rgb(115, 218, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 218, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 218, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 218, 143);  
box-shadow:4px 4px 4px 4px rgb(115, 218,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7708, 0.2906, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 218, 143) }
```

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

```
.background{ background-color: rgb(115,  
218, 143) }
```

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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