

Converting Colors

$Yxy(55.8271, 0.3009, 0.4255)$

Have a look what the booklet for
Yxy(55.8271, 0.3009, 0.4255)
contains.

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Color

Yxy(55.8271, 0.3009, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	87D792
RGB	135, 215, 146
RGB Percent	53%, 84%, 57%
CMY	0.4707, 0.1568, 0.4274
CMYK	0.37, 0.00, 0.32, 0.16
HSL	128°, 50%, 69%
HSV	128°, 37%, 84%
XYZ	39.4791, 55.8271, 35.8973
YIQ	183.2140, -25.5310, -38.4190

Conversions

Conversions Part 2

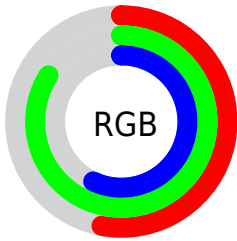
Format	Color
RYB	135, 205, 215
Decimal	8902546
CIELab	79.52, -38.64, 26.52
CIElCh	80, 46.866, 145.542
Yxy	55.8271, 0.3009, 0.4255
Android (android.graphics.Color)	4287092626 (0xFF87D792)
YUV	183.2140, -18.3465, -42.2837
Hunter-Lab	74.7175, -36.4401, 23.8170

Details

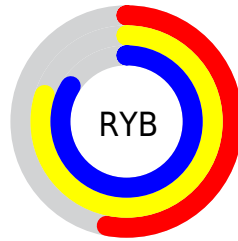
The Yxy color **55.8271, 0.3009, 0.4255** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.1283, 0.3275, 0.2487**, and the grayscale version is **47.5901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7665, 0.3045, 0.3904**, and **27.7172, 0.2957, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **53.6918, 0.2982, 0.4570**, and if you desaturate by 10%, it is **58.4206, 0.3040, 0.3959**.

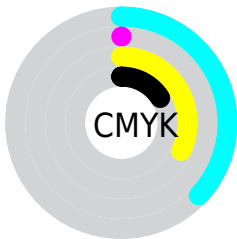
Distribution



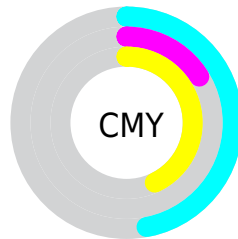
- Red (53%)
- Green (84%)
- Blue (57%)



- Red (53%)
- Yellow (80%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (32%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8271, 0.3009, 0.4255 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 55.8271, 0.3009, 0.4255 by changing the saturation by 10% instead.


 55.8271, 0.3009,
0.4255

 55.8271, 0.3009,
0.4255


409.0396, 0.3081,
0.3761

 40.0643, 0.2987,
0.4381


 98.7517, 0.3038,
0.4073

 27.5887, 0.2956,
0.4545


 126.6824, 0.3048,
0.4005

 18.0158, 0.2912,
0.4764


 159.4378, 0.3056,
0.3948

 10.9614, 0.2842,
0.5072

197.4023, 0.3063,
0.3900

 6.0409, 0.2722,
0.5530

240.9603, 0.3069,
0.3858

 2.8699, 0.2528,
0.6366

290.4963, 0.3073,

 1.0642, 0.0516,

0.3821

0.9484

346.3946, 0.3077,
0.3789

0.0000, 0.0000,
0.0000

55.8271, 0.3009,
0.4255

55.8271, 0.3009,
0.4255

53.6918, 0.2982,
0.4570

58.4206, 0.3040,
0.3959

51.9815, 0.2961,
0.4891

61.4896, 0.3072,
0.3688

50.6695, 0.2948,
0.5201

65.0588, 0.3104,
0.3446

49.7230, 0.2946,
0.5479

69.1493, 0.3136,
0.3234

49.1040, 0.2953,
0.5705

73.7809, 0.3166,
0.3048

■ 48.7630, 0.2969,
0.5866

■ 77.0842, 0.3145,
0.2901

■ 48.6962, 0.2972,
0.5900

Harmonies

Analogous

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



55.8271, 0.3609, 0.4416



55.8271, 0.3009, 0.4255



55.8271, 0.2471, 0.3731

Triad

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



55.8271, 0.3009, 0.4255



55.8271, 0.2188, 0.2365



55.8271, 0.4235, 0.3323

Complementary

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



55.8271, 0.3009, 0.4255



36.1283, 0.3275, 0.2487

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.



55.8271, 0.3776, 0.2878



55.8271, 0.3009, 0.4255



55.8271, 0.2577, 0.2348

Square

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



55.8271, 0.3009, 0.4255



55.8271, 0.2034, 0.2613



55.8271, 0.3151, 0.2533



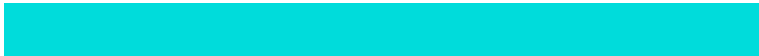
55.8271, 0.4351, 0.3796

Rectangle

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



55.8271, 0.3009, 0.4255



55.8271, 0.2215, 0.3302



55.8271, 0.3151, 0.2533



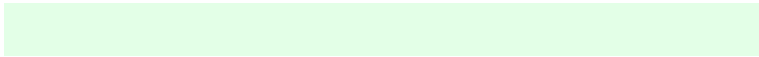
55.8271, 0.4114, 0.3168

Sweetspot

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



55.8294, 0.3009, 0.4255



93.6021, 0.3092, 0.3537



63.2378, 0.3597, 0.4239



19.8799, 0.3087, 0.3570



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.



55.8294, 0.3009, 0.4255



79.5203, 0.2986, 0.4513



57.2843, 0.2774, 0.3685



13.9236, 0.3097, 0.3497



29.1334, 0.2968, 0.5883



1.7664, 0.2896, 0.5624

Inverse Universe

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



36.1283, 0.3275, 0.2487



46.3312, 0.3316, 0.2319



34.4624, 0.3695, 0.2933



12.6019, 0.3159, 0.3091



10.7563, 0.3589, 0.1751



0.6571, 0.3514, 0.1709

Previews

White Background



This preview shows how the Yxy color 55.8271, 0.3009, 0.4255 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 55.8271, 0.3009, 0.4255 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 55.8271, 0.3009, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 55.8271, 0.3009, 0.4255.



This preview shows how white text looks on a background with the Yxy color 55.8271, 0.3009, 0.4255.

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

55.8271, 0.3009, 0.4255

Protanopia

55.3119, 0.3709, 0.3985

Deuteranopia

55.0564, 0.3785, 0.3702



Tritanopia

55.4206, 0.2640, 0.3074

Trichromacy



Original Color

55.8271, 0.3009, 0.4255



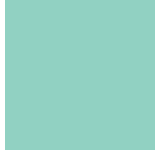
Protanomaly

54.8253, 0.3425, 0.4088



Deuteranomaly

54.1923, 0.3464, 0.3894



Tritanomaly

55.5157, 0.2778, 0.3488

Monochromacy



Original Color

55.8271, 0.3009, 0.4255



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.0395, 0.3080, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8271, 0.3009, 0.4255 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(135, 215, 146)` looks like.

```
.text, #text, p{  
    color:rgb(135, 215, 146)  
}
```

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(135, 215, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 215, 146) }
```

Border

The CSS property to change the border of an element to Yxy 55.8271, 0.3009, 0.4255 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(135, 215, 146) }
```

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

```
.border{ border-color:rgb(135, 215, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 215, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 215, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 215, 146);  
box-shadow:4px 4px 4px 4px rgb(135, 215,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8271, 0.3009, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 215, 146) }
```

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

```
.background{ background-color: rgb(135,  
215, 146) }
```

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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