

Converting Colors

$Yxy(53.3435, 0.2731, 0.4271)$

Have a look what the booklet for
Yxy(53.3435, 0.2731, 0.4271)
contains.

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Color

Yxy(53.3884, 0.2730, 0.4277)

Conversions

Conversions Part 1

Format	Color
Hex	58D896
RGB	88, 216, 150
RGB Percent	35%, 85%, 59%
CMY	0.6553, 0.1529, 0.4118
CMYK	0.59, 0.00, 0.31, 0.15
HSL	149°, 62%, 60%
HSV	149°, 59%, 85%
XYZ	34.0777, 53.3884, 37.3606
YIQ	170.2040, -55.1020, -47.6620

Conversions

Conversions Part 2

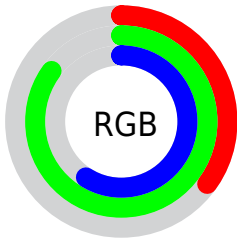
Format	Color
RYB	88, 174, 216
Decimal	5822614
CIELab	78.10, -50.41, 22.23
CIELCh	78, 55.097, 156.204
Yxy	53.3884, 0.2730, 0.4277
Android (android.graphics.Color)	4284012694 (0xFF58D896)
YUV	170.2040, -9.9606, -72.0929
Hunter-Lab	73.0674, -44.6177, 20.8311

Details

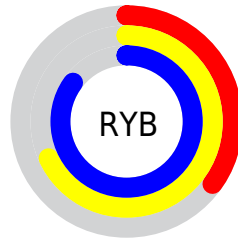
The Yxy color **53.3884, 0.2730, 0.4277** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.8942, 0.3974, 0.2523**, and the grayscale version is **40.3644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1755, 0.2791, 0.3896**, and **26.0425, 0.2604, 0.4576** is the 20% darker color. If you saturate the color by 10%, you get **52.1476, 0.2704, 0.4480**, and if you desaturate by 10%, it is **54.9796, 0.2773, 0.4079**.

Distribution



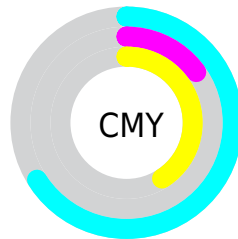
- Red (35%)
- Green (85%)
- Blue (59%)



- Red (35%)
- Yellow (68%)
- Blue (85%)



- Cyan (59%)
- Magenta (0%)
- Yellow (31%)
- Black (15%)




- Cyan (66%)
- Magenta (15%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3884, 0.2730, 0.4277 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 53.3884, 0.2730, 0.4277 by changing the saturation by 10% instead.


 53.3884, 0.2730,
0.4277

 53.3884, 0.2730,
0.4277

399.7735, 0.2939,
0.3765

 38.1129, 0.2675,
0.4410


 95.1757, 0.2808,
0.4087

 26.0703, 0.2603,
0.4584


 122.4562, 0.2837,
0.4016

 16.8763, 0.2504,
0.4821


 154.5072, 0.2861,
0.3958

 10.1463, 0.2361,
0.5158

 191.7132, 0.2881,
0.3907

 5.4961, 0.2139,
0.5672

234.4583, 0.2898,
0.3864

 2.5412, 0.1754,
0.6612

283.1272, 0.2914,

 0.8972, 0.0000,

0.3827

1.0000

338.1041, 0.2927,
0.3794

■ 0.0000, 0.0000,
0.0000

■ 53.3884, 0.2730,
0.4277

■ 53.3884, 0.2730,
0.4277

■ 52.1476, 0.2704,
0.4480

■ 54.9796, 0.2773,
0.4079

■ 51.2214, 0.2697,
0.4682

■ 56.9408, 0.2830,
0.3892

■ 50.5772, 0.2711,
0.4879

■ 59.2975, 0.2897,
0.3717

■ 50.1582, 0.2741,
0.5064

■ 62.0711, 0.2972,
0.3556

■ 50.1327, 0.2743,
0.5076

■ 65.2814, 0.3052,
0.3411

■ 68.9470, 0.3133,
0.3282

■ 73.0852, 0.3214,
0.3167

■ 76.6136, 0.3253,
0.3062

■ 77.2921, 0.3177,
0.2956

Harmonies

Analogous

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



53.3884, 0.3430, 0.4638



53.3884, 0.2730, 0.4277



53.3884, 0.2175, 0.3536

Triad

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



53.3884, 0.2730, 0.4277



53.3884, 0.2159, 0.2175



53.3884, 0.4549, 0.3503

Complementary

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



53.3884, 0.2730, 0.4277



23.8942, 0.3974, 0.2523

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.



53.3884, 0.4133, 0.2973



53.3884, 0.2730, 0.4277



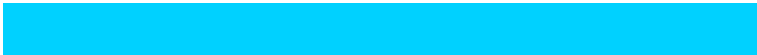
53.3884, 0.2693, 0.2247

Square

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



53.3884, 0.2730, 0.4277



53.3884, 0.1887, 0.2350



53.3884, 0.3418, 0.2531



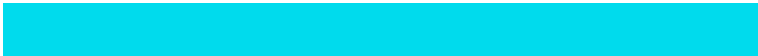
53.3884, 0.4512, 0.4045

Rectangle

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



53.3884, 0.2730, 0.4277



53.3884, 0.1951, 0.3031



53.3884, 0.3418, 0.2531



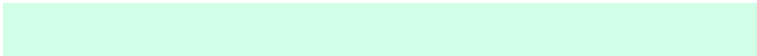
53.3884, 0.4457, 0.3321

Sweetspot

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



53.3906, 0.2730, 0.4277



90.8791, 0.2981, 0.3539



56.7008, 0.3466, 0.4955



19.1796, 0.2958, 0.3584



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.



53.3906, 0.2730, 0.4277



75.5720, 0.2701, 0.4528



56.0375, 0.2409, 0.3317



13.9953, 0.3051, 0.3413



29.6908, 0.2736, 0.5049



1.8075, 0.2646, 0.4725

Inverse Universe

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



23.8942, 0.3974, 0.2523



28.9500, 0.4251, 0.2428



22.3027, 0.4937, 0.3272



12.5266, 0.3211, 0.3170



9.3463, 0.4883, 0.2463



0.5804, 0.4516, 0.2261

Previews

White Background



This preview shows how the Yxy color 53.3884, 0.2730, 0.4277 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 53.3884, 0.2730, 0.4277 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 53.3884, 0.2730, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 53.3884, 0.2730, 0.4277.



This preview shows how white text looks on a background with the Yxy color 53.3884, 0.2730, 0.4277.

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

53.3884, 0.2730, 0.4277

Protanopia

52.2475, 0.3667, 0.3930

Deuteranopia

52.2449, 0.3685, 0.3609



Tritanopia

53.3329, 0.2433, 0.3076

Trichromacy



Original Color

53.3884, 0.2730, 0.4277



Protanomaly

51.0783, 0.3244, 0.4070



Deuteranomaly

50.6972, 0.3253, 0.3852



Tritanomaly

52.9623, 0.2540, 0.3485

Monochromacy



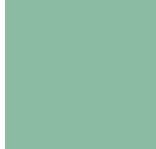
Original Color

53.3884, 0.2730, 0.4277



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.7604, 0.2928, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3884, 0.2730, 0.4277 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(88, 216, 150)` looks like.

```
.text, #text, p{  
    color:rgb(88, 216, 150)  
}
```

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(88, 216, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 216, 150) }
```

Border

The CSS property to change the border of an element to Yxy 53.3884, 0.2730, 0.4277 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(88, 216, 150) }
```

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

```
.border{ border-color:rgb(88, 216, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 216, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 216, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 216, 150);  
box-shadow:4px 4px 4px 4px rgb(88, 216,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3884, 0.2730, 0.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 216, 150) }
```

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

```
.background{ background-color: rgb(88, 216,  
150) }
```

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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