

Converting Colors

$Yxy(51.2311, 0.2799, 0.3725)$

Have a look what the booklet for
Yxy(51.2311, 0.2799, 0.3725)
contains.

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Color

Yxy(51.4645, 0.2801, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	82CDAE
RGB	130, 205, 174
RGB Percent	51%, 80%, 68%
CMY	0.4902, 0.1961, 0.3176
CMYK	0.37, 0.00, 0.15, 0.20
HSL	155°, 43%, 66%
HSV	155°, 37%, 80%
XYZ	38.6778, 51.4645, 47.9433
YIQ	179.0410, -34.7490, -25.5410

Conversions

Conversions Part 2

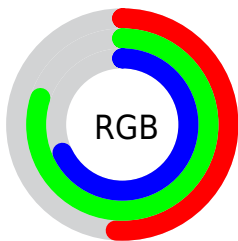
Format	Color
RYB	130, 177, 205
Decimal	8572334
CIELab	76.96, -30.17, 8.12
CIELCh	77, 31.242, 164.935
Yxy	51.4645, 0.2801, 0.3727
Android (android.graphics.Color)	4286762414 (0xFF82CDAE)
YUV	179.0410, -2.4852, -43.0090
Hunter-Lab	71.7388, -29.3050, 10.5934

Details

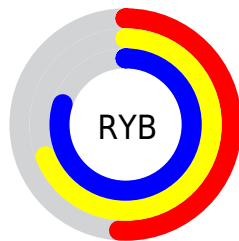
The Yxy color **51.4645, 0.2801, 0.3727** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.5184, 0.3638, 0.2896**, and the grayscale version is **45.1310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4914, 0.2857, 0.3575**, and **24.7956, 0.2708, 0.3841** is the 20% darker color. If you saturate the color by 10%, you get **49.6836, 0.2731, 0.3872**, and if you desaturate by 10%, it is **53.5934, 0.2882, 0.3592**.

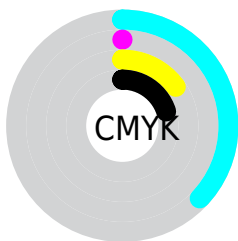
Distribution



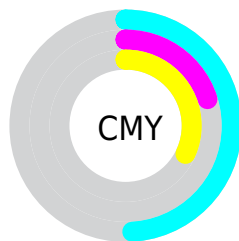
- Red (51%)
- Green (80%)
- Blue (68%)



- Red (51%)
- Yellow (69%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (15%)
- Black (20%)




- Cyan (49%)
- Magenta (20%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4645, 0.2801, 0.3727 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 51.4645, 0.2801, 0.3727 by changing the saturation by 10% instead.


 51.4645, 0.2801,
0.3727


 51.4645, 0.2801,
0.3727


392.3658, 0.2964,
0.3506


 36.5784, 0.2760,
0.3783


 92.3410, 0.2860,
0.3646

 24.8812, 0.2708,
0.3856


 119.1002, 0.2883,
0.3616

 15.9886, 0.2638,
0.3953


 150.5859, 0.2901,
0.3590

 9.5161, 0.2541,
0.4091

187.1825, 0.2918,
0.3568

 5.0793, 0.2397,
0.4299

229.2744, 0.2932,
0.3550

 2.2939, 0.2160,
0.4651

277.2460, 0.2944,

 0.7705, 0.0000,

0.3533

0.7396

331.4817, 0.2955,
0.3519

0.0000, 0.0000,
0.0000

51.4645, 0.2801,
0.3727

51.4645, 0.2801,
0.3727

49.6836, 0.2731,
0.3872

53.5934, 0.2882,
0.3592

48.2248, 0.2674,
0.4025

56.0820, 0.2971,
0.3469

47.0683, 0.2635,
0.4184


58.9492, 0.3064,
0.3357


46.1897, 0.2615,
0.4346

62.2107, 0.3160,
0.3257

45.5606, 0.2615,
0.4506


65.8814, 0.3256,
0.3168


 45.1440, 0.2634,
0.4663

 69.9751, 0.3351,
0.3089

 45.0273, 0.2643,
0.4715

 70.8253, 0.3304,
0.3007

 71.3221, 0.3243,
0.2925

 71.8424, 0.3183,
0.2845

Harmonies

Analogous

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



51.4645, 0.3209, 0.4001



51.4645, 0.2801, 0.3727



51.4645, 0.2494, 0.3319

Triad

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



51.4645, 0.2801, 0.3727



51.4645, 0.2630, 0.2607



51.4645, 0.3967, 0.3553

Complementary

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



51.4645, 0.2801, 0.3727



31.5184, 0.3638, 0.2896

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.



51.4645, 0.3794, 0.3211



51.4645, 0.2801, 0.3727



51.4645, 0.3000, 0.2687

Square

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



51.4645, 0.2801, 0.3727



51.4645, 0.2402, 0.2688



51.4645, 0.3431, 0.2903



51.4645, 0.3895, 0.3858

Rectangle

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



51.4645, 0.2801, 0.3727



51.4645, 0.2380, 0.3053



51.4645, 0.3431, 0.2903



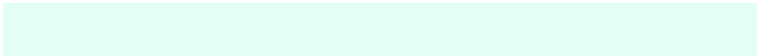
51.4645, 0.3936, 0.3439

Sweetspot

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



51.4666, 0.2801, 0.3727



94.3385, 0.3021, 0.3407



52.8794, 0.3310, 0.4310



20.0548, 0.3008, 0.3422



0.0000, 0.0000, 0.0000



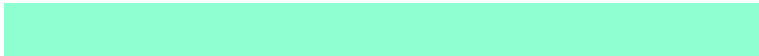
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.4666, 0.2801, 0.3727



81.9271, 0.2744, 0.3842



49.8873, 0.2607, 0.3203



12.6455, 0.3038, 0.3387



28.0494, 0.2637, 0.4693



1.4619, 0.2552, 0.4389

Inverse Universe

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



31.5184, 0.3638, 0.2896



44.5263, 0.3802, 0.2811



32.2707, 0.3977, 0.3373



11.2893, 0.3226, 0.3195



8.5034, 0.5304, 0.2696



0.4537, 0.4798, 0.2417

Previews

White Background



This preview shows how the Yxy color 51.4645, 0.2801, 0.3727 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 51.4645, 0.2801, 0.3727 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 51.4645, 0.2801, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 51.4645, 0.2801, 0.3727.



This preview shows how white text looks on a background with the Yxy color 51.4645, 0.2801, 0.3727.

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

51.4645, 0.2801, 0.3727

Protanopia

51.1176, 0.3392, 0.3592

Deuteranopia

50.9705, 0.3402, 0.3339



Tritanopia

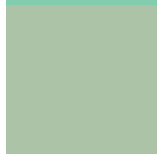
51.2421, 0.2603, 0.3078

Trichromacy



Original Color

51.4645, 0.2801, 0.3727



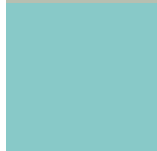
Protanomaly

50.7416, 0.3150, 0.3648



Deuteranomaly

50.3810, 0.3160, 0.3471



Tritanomaly

51.1777, 0.2676, 0.3302

Monochromacy



Original Color

51.4645, 0.2801, 0.3727



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

46.7178, 0.2991, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4645, 0.2801, 0.3727 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(130, 205, 174)` looks like.

```
.text, #text, p{  
    color:rgb(130, 205, 174)  
}
```

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(130, 205, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 205, 174) }
```

Border

The CSS property to change the border of an element to Yxy 51.4645, 0.2801, 0.3727 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(130, 205, 174) }
```

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

```
.border{ border-color:rgb(130, 205, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 205, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 205, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 205, 174);  
box-shadow:4px 4px 4px 4px rgb(130, 205,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4645, 0.2801, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 205, 174) }
```

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

```
.background{ background-color: rgb(130,  
205, 174) }
```

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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