

Converting Colors

$Yxy(51.6851, 0.2693, 0.4798)$

Have a look what the booklet for
Yxy(51.6851, 0.2693, 0.4798)
contains.

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Color

Yxy(51.8059, 0.2692, 0.4792)

Conversions

Conversions Part 1

Format	Color
Hex	1BDA7B
RGB	27, 218, 123
RGB Percent	11%, 85%, 48%
CMY	0.8931, 0.1451, 0.5177
CMYK	0.87, 0.00, 0.44, 0.15
HSL	150°, 78%, 48%
HSV	150°, 87%, 85%
XYZ	29.1030, 51.8059, 27.2003
YIQ	150.0610, -83.3410, -70.0370

Conversions

Conversions Part 2

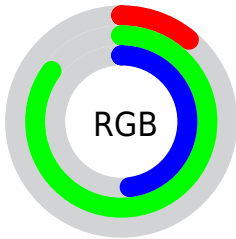
Format	Color
RYB	27, 154, 218
Decimal	1825403
CIELab	77.16, -64.57, 34.67
CIELCh	77, 73.285, 151.767
Yxy	51.8059, 0.2692, 0.4792
Android (android.graphics.Color)	4280015483 (0xFF1BDA7B)
YUV	150.0610, -13.3411, -107.9245
Hunter-Lab	71.9763, -53.7837, 27.9774

Details

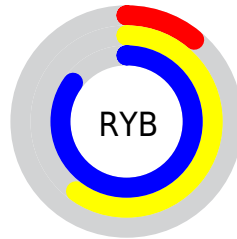
The Yxy color **51.8059, 0.2692, 0.4792** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.1130, 0.4690, 0.2444**, and the grayscale version is **30.6447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0738, 0.2756, 0.4282**, and **25.9576, 0.2767, 0.5163** is the 20% darker color. If you saturate the color by 10%, you get **51.3496, 0.2720, 0.4975**, and if you desaturate by 10%, it is **52.5131, 0.2683, 0.4600**.

Distribution



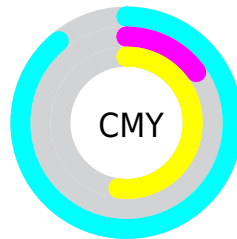
- Red (11%)
- Green (85%)
- Blue (48%)



- Red (11%)
- Yellow (60%)
- Blue (85%)



- Cyan (87%)
- Magenta (0%)
- Yellow (44%)
- Black (15%)





- Cyan (89%)
- Magenta (15%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8059, 0.2692, 0.4792 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 51.8059, 0.2692, 0.4792 by changing the saturation by 10% instead.


 51.8059, 0.2692,
0.4792

 51.8059, 0.2692,
0.4792


393.6868, 0.2939,
0.3994


 36.8504, 0.2621,
0.5004


 92.8449, 0.2789,
0.4492


 25.0917, 0.2525,
0.5282


 119.6972, 0.2823,
0.4382


 16.1454, 0.2388,
0.5660


 151.2839, 0.2851,
0.4290

 9.6271, 0.2182,
0.6196

 187.9893, 0.2874,
0.4213

 5.1524, 0.1851,
0.6994

 230.1980, 0.2894,
0.4146

 2.3370, 0.0896,
0.9104

278.2942, 0.2911,


 0.7932, 0.0000,

0.4089

1.0000


332.6623, 0.2926,
0.4038

 0.0000, 0.0000,
0.0000


 51.8059, 0.2692,
0.4792


 51.8059, 0.2692,
0.4792


 51.3496, 0.2720,
0.4975


 52.5131, 0.2683,
0.4600

 51.2545, 0.2728,
0.5019

 53.5113, 0.2695,
0.4403

 54.8368, 0.2725,
0.4208

 56.5189, 0.2772,
0.4018

 58.5835, 0.2833,
0.3839

■ 61.0541, 0.2904,
0.3673

■ 63.9520, 0.2982,
0.3521

■ 67.2973, 0.3064,
0.3383

■ 71.1086, 0.3148,
0.3261

Harmonies

Analogous

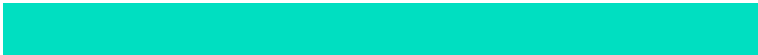
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.8059, 0.3597, 0.5124



51.8059, 0.2692, 0.4792



51.8059, 0.1957, 0.3767

Triad

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



51.8059, 0.2692, 0.4792



51.8059, 0.1814, 0.1877



51.8059, 0.4979, 0.3398

Complementary

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



51.8059, 0.2692, 0.4792



17.1130, 0.4690, 0.2444

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.



51.8059, 0.4347, 0.2766



51.8059, 0.2692, 0.4792



51.8059, 0.2424, 0.1937

Square

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



51.8059, 0.2692, 0.4792



51.8059, 0.1534, 0.2116



51.8059, 0.3346, 0.2250



51.8059, 0.4971, 0.4079

Rectangle

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



51.8059, 0.2692, 0.4792



51.8059, 0.1658, 0.3044



51.8059, 0.3346, 0.2250



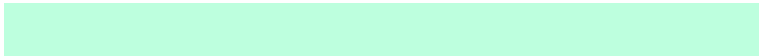
51.8059, 0.4834, 0.3180

Sweetspot

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



51.8080, 0.2692, 0.4792



87.5731, 0.2914, 0.3653



54.4057, 0.3421, 0.5575



18.4604, 0.2888, 0.3709



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.



51.8080, 0.2692, 0.4792



73.0780, 0.2732, 0.5034



55.4400, 0.2264, 0.3287



14.7147, 0.3048, 0.3409



30.7293, 0.2720, 0.4993



2.0082, 0.2638, 0.4695

Inverse Universe

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



17.1130, 0.4690, 0.2444



22.7928, 0.5009, 0.2533



15.7815, 0.6169, 0.3299



13.1592, 0.3214, 0.3174



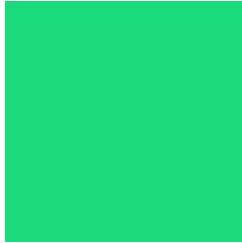
9.6078, 0.4957, 0.2505



0.6398, 0.4596, 0.2306

Previews

White Background



This preview shows how the Yxy color 51.8059, 0.2692, 0.4792 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 51.8059, 0.2692, 0.4792 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 51.8059, 0.2692, 0.4792

Background



This preview shows how black text looks on a background with the Yxy color 51.8059, 0.2692, 0.4792.



This preview shows how white text looks on a background with the Yxy color 51.8059, 0.2692, 0.4792.

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

51.8059, 0.2692, 0.4792

Protanopia

50.8304, 0.3893, 0.4223

Deuteranopia

50.7212, 0.3939, 0.3861



Tritanopia

51.3551, 0.2323, 0.3056

Trichromacy



Original Color

51.8059, 0.2692, 0.4792



Protanomaly

48.3203, 0.3259, 0.4504



Deuteranomaly

46.9409, 0.3271, 0.4220



Tritanomaly

50.7378, 0.2437, 0.3629

Monochromacy



Original Color

51.8059, 0.2692, 0.4792



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.5567, 0.2822, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8059, 0.2692, 0.4792 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(27, 218, 123)` looks like.

```
.text, #text, p{  
    color:rgb(27, 218, 123)  
}
```

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(27, 218, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 218, 123) }
```

Border

The CSS property to change the border of an element to Yxy 51.8059, 0.2692, 0.4792 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(27, 218, 123) }
```

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

```
.border{ border-color:rgb(27, 218, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 218, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 218, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 218, 123);  
box-shadow:4px 4px 4px 4px rgb(27, 218,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8059, 0.2692, 0.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 218, 123) }
```

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

```
.background{ background-color: rgb(27, 218,  
123) }
```

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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