

Converting Colors

$Yxy(52.7632, 0.2696, 0.4276)$

Have a look what the booklet for
Yxy(52.7632, 0.2696, 0.4276)
contains.

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Color

Yxy(52.5084, 0.2695, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	50D796
RGB	80, 215, 150
RGB Percent	31%, 84%, 59%
CMY	0.6865, 0.1568, 0.4118
CMYK	0.63, 0.00, 0.30, 0.16
HSL	151°, 63%, 58%
HSV	151°, 63%, 84%
XYZ	33.1095, 52.5084, 37.2375
YIQ	167.2250, -59.5950, -48.8350

Conversions

Conversions Part 2

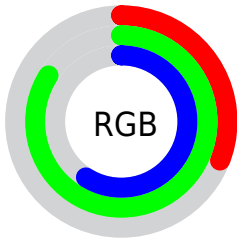
Format	Color
RYB	80, 169, 215
Decimal	5298070
CIELab	77.58, -51.57, 21.49
CIELCh	78, 55.867, 157.379
Yxy	52.5084, 0.2695, 0.4274
Android (android.graphics.Color)	4283488150 (0xFF50D796)
YUV	167.2250, -8.4919, -76.4963
Hunter-Lab	72.4627, -45.2498, 20.2556

Details

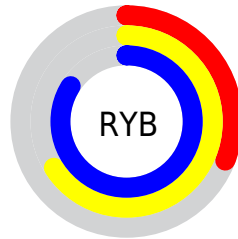
The Yxy color **52.5084, 0.2695, 0.4274** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **22.2224, 0.4119, 0.2543**, and the grayscale version is **38.8172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5424, 0.2758, 0.3901**, and **25.6971, 0.2600, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **51.4014, 0.2673, 0.4464**, and if you desaturate by 10%, it is **53.9484, 0.2735, 0.4088**.

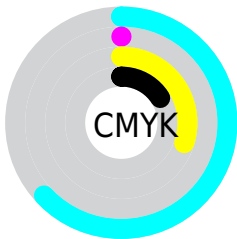
Distribution



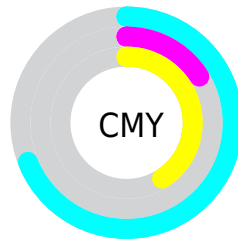
- Red (31%)
- Green (84%)
- Blue (59%)



- Red (31%)
- Yellow (66%)
- Blue (84%)



- Cyan (63%)
- Magenta (0%)
- Yellow (30%)
- Black (16%)




- Cyan (69%)
- Magenta (16%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5084, 0.2695, 0.4274 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 52.5084, 0.2695, 0.4274 by changing the saturation by 10% instead.


 52.5084, 0.2695,
0.4274


 52.5084, 0.2695,
0.4274


396.3962, 0.2921,
0.3762

 37.4105, 0.2636,
0.4408


 93.8806, 0.2779,
0.4083

 25.5255, 0.2558,
0.4583


 120.9236, 0.2810,
0.4013

 16.4690, 0.2452,
0.4821


 152.7172, 0.2836,
0.3954

 9.8566, 0.2299,
0.5161

 189.6456, 0.2858,
0.3904

 5.3040, 0.2063,
0.5684

232.0934, 0.2877,
0.3861

 2.4267, 0.1627,
0.6675

280.4448, 0.2894,

 0.8396, 0.0000,

0.3824

1.0000

335.0842, 0.2908,
0.3791

0.0000, 0.0000,
0.0000

52.5084, 0.2695,
0.4274

52.5084, 0.2695,
0.4274

51.4014, 0.2673,
0.4464

53.9484, 0.2735,
0.4088

50.5905, 0.2671,
0.4653

55.7416, 0.2791,
0.3910


50.0412, 0.2689,
0.4835

57.9138, 0.2858,
0.3743

49.7641, 0.2711,
0.4961

60.4867, 0.2935,
0.3589

63.4802, 0.3017,
0.3449

 66.9130, 0.3103,
0.3323

 70.8025, 0.3189,
0.3211

 75.1652, 0.3275,
0.3112

 76.3457, 0.3225,
0.3012

Harmonies

Analogous

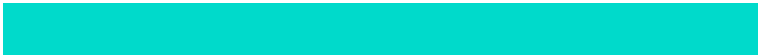
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.5084, 0.3405, 0.4662



52.5084, 0.2695, 0.4274



52.5084, 0.2140, 0.3508

Triad

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



52.5084, 0.2695, 0.4274



52.5084, 0.2159, 0.2154



52.5084, 0.4583, 0.3525

Complementary

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



52.5084, 0.2695, 0.4274



22.2224, 0.4119, 0.2543

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.



52.5084, 0.4176, 0.2987



52.5084, 0.2695, 0.4274



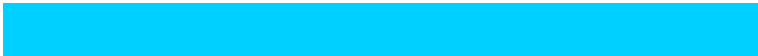
52.5084, 0.2710, 0.2238

Square

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



52.5084, 0.2695, 0.4274



52.5084, 0.1872, 0.2321



52.5084, 0.3454, 0.2533



52.5084, 0.4526, 0.4076

Rectangle

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



52.5084, 0.2695, 0.4274



52.5084, 0.1921, 0.2996



52.5084, 0.3454, 0.2533



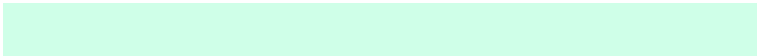
52.5084, 0.4497, 0.3341

Sweetspot

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



52.5105, 0.2695, 0.4274



90.5283, 0.2964, 0.3536



55.2247, 0.3439, 0.5069



19.1155, 0.2941, 0.3578



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.



52.5105, 0.2695, 0.4274



75.2432, 0.2670, 0.4519



54.0771, 0.2367, 0.3257



14.0025, 0.3046, 0.3405



29.7837, 0.2704, 0.4935



1.8131, 0.2619, 0.4627

Inverse Universe

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



22.2224, 0.4119, 0.2543



27.2931, 0.4443, 0.2472



21.0922, 0.5116, 0.3320



12.5194, 0.3216, 0.3178



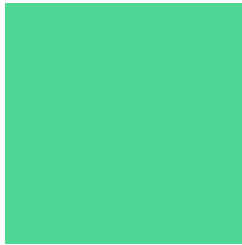
9.2542, 0.5025, 0.2542



0.5749, 0.4629, 0.2324

Previews

White Background



This preview shows how the Yxy color 52.5084, 0.2695, 0.4274 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 52.5084, 0.2695, 0.4274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

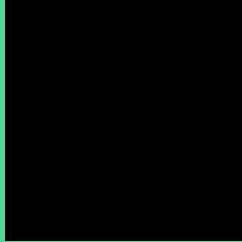
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5084, 0.2695, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 52.5084, 0.2695, 0.4274.

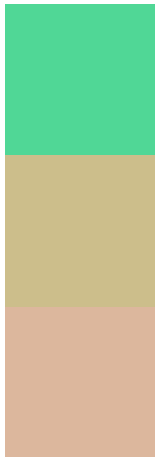


This preview shows how white text looks on a background with the Yxy color 52.5084, 0.2695, 0.4274.

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

52.5084, 0.2695, 0.4274

Protanopia

51.5284, 0.3653, 0.3923

Deuteranopia

51.5169, 0.3671, 0.3599



Tritanopia

52.4198, 0.2409, 0.3073

Trichromacy



Original Color

52.5084, 0.2695, 0.4274



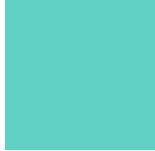
Protanomaly

50.2009, 0.3214, 0.4066



Deuteranomaly

49.7983, 0.3221, 0.3846



Tritanomaly

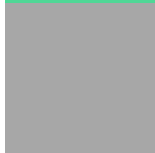
52.0732, 0.2507, 0.3473

Monochromacy



Original Color

52.5084, 0.2695, 0.4274



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

42.0051, 0.2903, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5084, 0.2695, 0.4274 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(80, 215, 150)` looks like.

```
.text, #text, p{  
    color:rgb(80, 215, 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(80, 215, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 215, 150) }
```

Border

The CSS property to change the border of an element to Yxy 52.5084, 0.2695, 0.4274 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(80, 215, 150) }
```

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

```
.border{ border-color:rgb(80, 215, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 215, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 215, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 215, 150);  
box-shadow:4px 4px 4px 4px rgb(80, 215,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5084, 0.2695, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 215, 150) }
```

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

```
.background{ background-color: rgb(80, 215,  
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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