

Converting Colors

Yxy(51.5317, 0.2601, 0.4254)

Have a look what the booklet for
Yxy(51.5317, 0.2601, 0.4254)
contains.

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Color

Yxy(51.7086, 0.2604, 0.4262)

Conversions

Conversions Part 1

Format	Color
Hex	38D798
RGB	56, 215, 152
RGB Percent	22%, 84%, 60%
CMY	0.7810, 0.1568, 0.4039
CMYK	0.74, 0.00, 0.29, 0.16
HSL	156°, 67%, 53%
HSV	156°, 74%, 84%
XYZ	31.5930, 51.7086, 38.0232
YIQ	160.2770, -74.5410, -53.3010

Conversions

Conversions Part 2

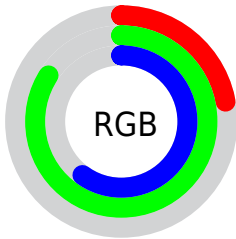
Format	Color
R _{YB}	56, 155, 215
Decimal	3725208
CIE Lab	77.11, -54.97, 19.69
CIE LCh	77, 58.385, 160.293
Yxy	51.7086, 0.2604, 0.4262
Android (android.graphics.Color)	4281915288 (0xFF38D798)
YUV	160.2770, -4.0806, -91.4509
Hunter-Lab	71.9087, -47.4165, 18.9853

Details

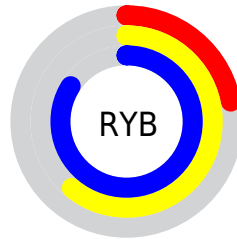
The Yxy color **51.7086, 0.2604, 0.4262** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.5920, 0.4638, 0.2633**, and the grayscale version is **35.3158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3362, 0.2678, 0.3887**, and **25.7359, 0.2588, 0.4516** is the 20% darker color. If you saturate the color by 10%, you get **50.9512, 0.2598, 0.4417**, and if you desaturate by 10%, it is **52.7558, 0.2630, 0.4108**.

Distribution



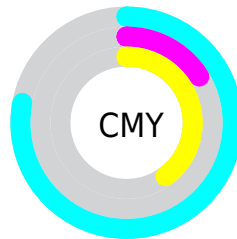
- Red (22%)
- Green (84%)
- Blue (60%)



- Red (22%)
- Yellow (61%)
- Blue (84%)



- Cyan (74%)
- Magenta (0%)
- Yellow (29%)
- Black (16%)





- Cyan (78%)
- Magenta (16%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7086, 0.2604, 0.4262 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 51.7086, 0.2604, 0.4262 by changing the saturation by 10% instead.


 51.7086, 0.2604,
0.4262


 51.7086, 0.2604,
0.4262


393.3106, 0.2874,
0.3755


 36.7729, 0.2534,
0.4395


 92.7013, 0.2704,
0.4073

 25.0317, 0.2443,
0.4568


 119.5271, 0.2741,
0.4004


 16.1007, 0.2320,
0.4805


 151.0851, 0.2772,
0.3945

 9.5954, 0.2146,
0.5145

 187.7595, 0.2799,
0.3896

 5.1315, 0.1881,
0.5668

 229.9349, 0.2821,
0.3853

 2.3246, 0.1321,
0.6702

277.9956, 0.2841,

 0.7867, 0.0000,

0.3816

1.0000

332.3261, 0.2859,
0.3784

■ 0.0000, 0.0000,
0.0000

■ 51.7086, 0.2604,
0.4262

■ 51.7086, 0.2604,
0.4262

■ 50.9512, 0.2598,
0.4417

■ 52.7558, 0.2630,
0.4108

■ 50.4401, 0.2612,
0.4568


■ 54.1173, 0.2676,
0.3956


■ 50.2157, 0.2627,
0.4657


■ 55.8217, 0.2737,
0.3812

■ 57.8928, 0.2813,
0.3675

■ 60.3522, 0.2898,
0.3549

 63.2197, 0.2991,
0.3433

 66.5137, 0.3088,
0.3329

 70.2516, 0.3186,
0.3235

 74.4497, 0.3285,
0.3152

Harmonies

Analogous

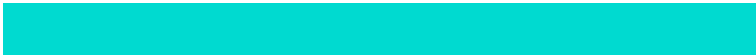
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.7086, 0.3337, 0.4723



51.7086, 0.2604, 0.4262



51.7086, 0.2053, 0.3433

Triad

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



51.7086, 0.2604, 0.4262



51.7086, 0.2160, 0.2104



51.7086, 0.4671, 0.3584

Complementary

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



51.7086, 0.2604, 0.4262



18.5920, 0.4638, 0.2633

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.



51.7086, 0.4290, 0.3021



51.7086, 0.2604, 0.4262



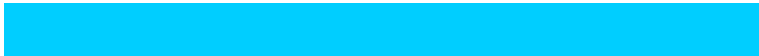
51.7086, 0.2757, 0.2215

Square

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



51.7086, 0.2604, 0.4262



51.7086, 0.1836, 0.2247



51.7086, 0.3548, 0.2540



51.7086, 0.4559, 0.4155

Rectangle

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



51.7086, 0.2604, 0.4262



51.7086, 0.1847, 0.2907



51.7086, 0.3548, 0.2540



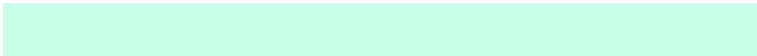
51.7086, 0.4598, 0.3392

Sweetspot

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



51.7107, 0.2604, 0.4262



89.5197, 0.2914, 0.3527



52.8497, 0.3345, 0.5407



18.9300, 0.2890, 0.3560



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.



51.7107, 0.2604, 0.4262



74.4899, 0.2604, 0.4506



46.6347, 0.2252, 0.3059



14.0207, 0.3035, 0.3384



30.0528, 0.2621, 0.4635



1.8287, 0.2549, 0.4376

Inverse Universe

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



18.5920, 0.4638, 0.2633



23.3984, 0.5129, 0.2672



19.3384, 0.5523, 0.3441



12.5014, 0.3230, 0.3198



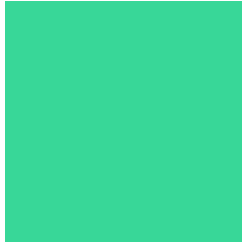
9.0540, 0.5381, 0.2738



0.5622, 0.4922, 0.2485

Previews

White Background



This preview shows how the Yxy color 51.7086, 0.2604, 0.4262 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 51.7086, 0.2604, 0.4262 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 51.7086, 0.2604, 0.4262

Background



This preview shows how black text looks on a background with the Yxy color 51.7086, 0.2604, 0.4262.

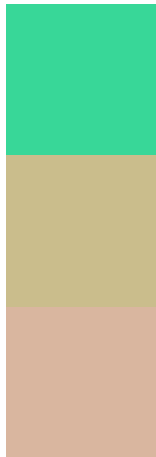


This preview shows how white text looks on a background with the Yxy color 51.7086, 0.2604, 0.4262.

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

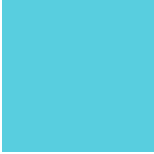
51.7086, 0.2604, 0.4262

Protanopia

50.8452, 0.3630, 0.3903

Deuteranopia

50.7108, 0.3629, 0.3567



Tritanopia

51.5450, 0.2337, 0.3056

Trichromacy



Original Color

51.7086, 0.2604, 0.4262



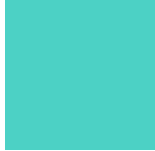
Protanomaly

48.7913, 0.3129, 0.4058



Deuteranomaly

48.2530, 0.3118, 0.3819



Tritanomaly

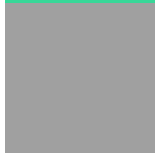
51.1686, 0.2426, 0.3461

Monochromacy



Original Color

51.7086, 0.2604, 0.4262



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.2144, 0.2831, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7086, 0.2604, 0.4262 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(56, 215, 152)` looks like.

```
.text, #text, p{  
  color:rgb(56, 215, 152)  
}
```

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(56, 215, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 215, 152) }
```

Border

The CSS property to change the border of an element to Yxy 51.7086, 0.2604, 0.4262 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(56, 215, 152) }
```

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

```
.border{ border-color:rgb(56, 215, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 215, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 215, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 215, 152);  
box-shadow:4px 4px 4px 4px rgb(56, 215,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7086, 0.2604, 0.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 215, 152) }
```

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

```
.background{ background-color: rgb(56, 215,  
152) }
```

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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