

Converting Colors

$Yxy(51.2238, 0.2426, 0.3464)$

Have a look what the booklet for
Yxy(51.2238, 0.2426, 0.3464)
contains.

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Color

Yxy(51.1686, 0.2426, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	4CD1C5
RGB	76, 209, 197
RGB Percent	30%, 82%, 77%
CMY	0.7014, 0.1804, 0.2275
CMYK	0.64, 0.00, 0.06, 0.18
HSL	175°, 59%, 56%
HSV	175°, 64%, 82%
XYZ	35.8668, 51.1686, 60.8080
YIQ	167.8650, -75.4160, -31.9280

Conversions

Conversions Part 2

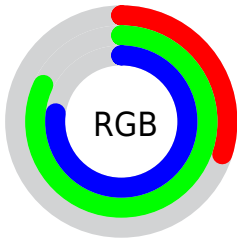
Format	Color
RYB	76, 146, 209
Decimal	5034437
CIELab	76.78, -38.60, -4.73
CIELCh	77, 38.891, 186.992
Yxy	51.1686, 0.2426, 0.3461
Android (android.graphics.Color)	4283224517 (0xFF4CD1C5)
YUV	167.8650, 14.3636, -80.5656
Hunter-Lab	71.5322, -35.6801, -0.3286

Details

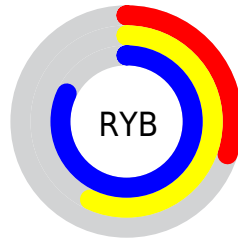
The Yxy color **51.1686, 0.2426, 0.3461** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.4496, 0.4984, 0.3162**, and the grayscale version is **39.0634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1647, 0.2521, 0.3299**, and **25.0944, 0.2307, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **50.3614, 0.2375, 0.3492**, and if you desaturate by 10%, it is **52.2589, 0.2496, 0.3431**.

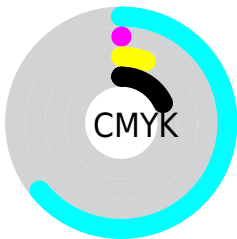
Distribution



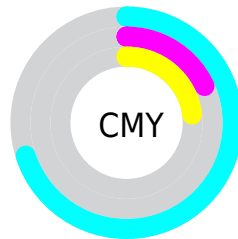
- Red (30%)
- Green (82%)
- Blue (77%)



- Red (30%)
- Yellow (57%)
- Blue (82%)



- Cyan (64%)
- Magenta (0%)
- Yellow (6%)
- Black (18%)





- Cyan (70%)
- Magenta (18%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1686, 0.2426, 0.3461 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 51.1686, 0.2426, 0.3461 by changing the saturation by 10% instead.


 51.1686, 0.2426,
0.3461

 51.1686, 0.2426,
0.3461


391.2185, 0.2765,
0.3383


 36.3428, 0.2345,
0.3478


 91.9039, 0.2547,
0.3434

 24.6991, 0.2243,
0.3499


 118.5823, 0.2593,
0.3424

 15.8530, 0.2111,
0.3525

 149.9803, 0.2632,
0.3415

 9.4202, 0.1935,
0.3556

 186.4823, 0.2666,
0.3407

 5.0163, 0.1689,
0.3595

228.4727, 0.2696,
0.3400

 2.2568, 0.1326,
0.3635

276.3359, 0.2722,

 0.7507, 0.0000,

0.3393

0.3928

330.4564, 0.2745,
0.3388

0.0000, 0.0000,
0.0000

51.1686, 0.2426,
0.3461

51.1686, 0.2426,
0.3461

50.3614, 0.2375,
0.3492

52.2589, 0.2496,
0.3431

49.8033, 0.2343,
0.3523

53.6508, 0.2585,
0.3401

49.4626, 0.2328,
0.3553

55.3678, 0.2690,
0.3373

49.3202, 0.2326,
0.3573

57.4297, 0.2808,
0.3346

59.8545, 0.2938,
0.3321

■ 62.6590, 0.3076,
0.3298

■ 65.8592, 0.3220,
0.3277

■ 69.4698, 0.3366,
0.3258

■ 71.7110, 0.3442,
0.3240

Harmonies

Analogous

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



51.1686, 0.2842, 0.3961



51.1686, 0.2426, 0.3461



51.1686, 0.2203, 0.2954

Triad

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



51.1686, 0.2426, 0.3461



51.1686, 0.2831, 0.2512



51.1686, 0.4133, 0.3888

Complementary

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



51.1686, 0.2426, 0.3461



19.4496, 0.4984, 0.3162

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.



51.1686, 0.4149, 0.3488



51.1686, 0.2426, 0.3461



51.1686, 0.3360, 0.2733

Square

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



51.1686, 0.2426, 0.3461



51.1686, 0.2421, 0.2459



51.1686, 0.3858, 0.3079



51.1686, 0.3833, 0.4180

Rectangle

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



51.1686, 0.2426, 0.3461



51.1686, 0.2178, 0.2698



51.1686, 0.3858, 0.3079



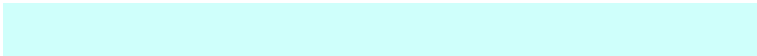
51.1686, 0.4173, 0.3761

Sweetspot

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



51.1706, 0.2426, 0.3461



91.6621, 0.2864, 0.3335



48.2659, 0.3099, 0.5291



19.3915, 0.2827, 0.3342



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.



51.1706, 0.2426, 0.3461



78.6624, 0.2362, 0.3502



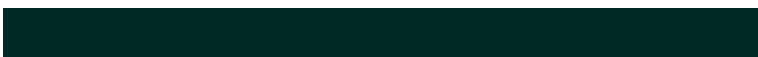
29.8728, 0.2180, 0.2470



13.3879, 0.2995, 0.3311



30.4196, 0.2325, 0.3568



1.7064, 0.2309, 0.3512

Inverse Universe

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



19.4496, 0.4984, 0.3162



25.1790, 0.5585, 0.3173



29.8530, 0.4664, 0.3923



11.8253, 0.3277, 0.3269



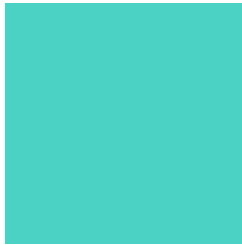
8.3928, 0.6290, 0.3239



0.4754, 0.5976, 0.3066

Previews

White Background



This preview shows how the Yxy color 51.1686, 0.2426, 0.3461 looks on a white background.

Color Contrast Check

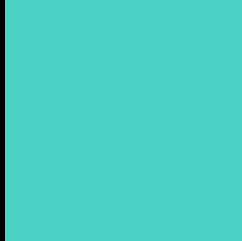
Large Text (above 18pt) WCAG AA × Fail

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 51.1686, 0.2426, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

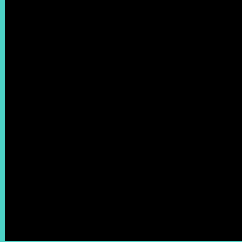
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

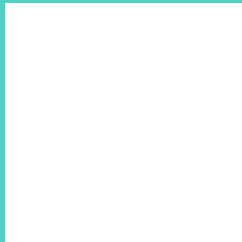
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1686, 0.2426, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 51.1686, 0.2426, 0.3461.

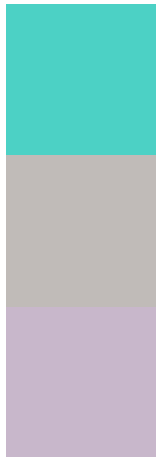


This preview shows how white text looks on a background with the Yxy color 51.1686, 0.2426, 0.3461.

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

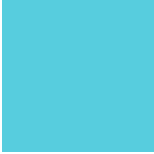
51.1686, 0.2426, 0.3461

Protanopia

50.2078, 0.3192, 0.3328

Deuteranopia

50.4581, 0.3113, 0.3049



Tritanopia

50.9628, 0.2335, 0.3055

Trichromacy



Original Color

51.1686, 0.2426, 0.3461



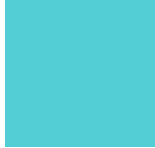
Protanomaly

49.1884, 0.2829, 0.3371



Deuteranomaly

48.8849, 0.2782, 0.3170



Tritanomaly

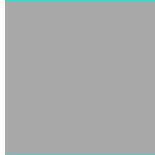
50.7857, 0.2365, 0.3190

Monochromacy



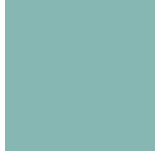
Original Color

51.1686, 0.2426, 0.3461



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.2725, 0.2776, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1686, 0.2426, 0.3461 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(76, 209, 197)` looks like.

```
.text, #text, p{  
    color:rgb(76, 209, 197)  
}
```

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(76, 209, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 209, 197) }
```

Border

The CSS property to change the border of an element to Yxy 51.1686, 0.2426, 0.3461 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(76, 209, 197) }
```

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

```
.border{ border-color:rgb(76, 209, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 209, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(76, 209, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(76, 209, 197); box-shadow:4px 4px 4px 4px rgb(76, 209, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1686, 0.2426, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 209, 197) }
```

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

```
.background{ background-color: rgb(76, 209,  
197) }
```

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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