

Converting Colors

$Yxy(51.7909, 0.2360, 0.3541)$

Have a look what the booklet for
Yxy(51.7909, 0.2360, 0.3541)
contains.

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Color

$\text{Yxy}(52.0209, 0.2362, 0.3552)$

Conversions

Conversions Part 1

Format	Color
Hex	2AD5C3
RGB	42, 213, 195
RGB Percent	16%, 84%, 76%
CMY	0.8360, 0.1647, 0.2353
CMYK	0.80, 0.00, 0.08, 0.16
HSL	174°, 67%, 50%
HSV	174°, 80%, 84%
XYZ	34.5927, 52.0209, 59.8416
YIQ	159.8190, -96.1380, -41.8500

Conversions

Conversions Part 2

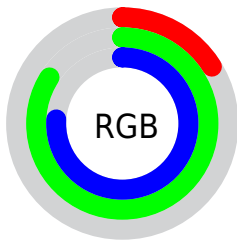
Format	Color
RYB	42, 132, 213
Decimal	2807235
CIELab	77.29, -45.14, -2.97
CIELCh	77, 45.237, 183.769
Yxy	52.0209, 0.2362, 0.3552
Android (android.graphics.Color)	4280997315 (0xFF2AD5C3)
YUV	159.8190, 17.3442, -103.3273
Hunter-Lab	72.1255, -40.6078, 1.2957

Details

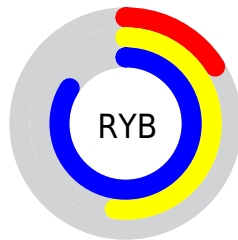
The Yxy color **52.0209, 0.2362, 0.3552** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.1158, 0.5699, 0.3158**, and the grayscale version is **34.9948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4070, 0.2459, 0.3334**, and **26.0370, 0.2335, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **51.5880, 0.2344, 0.3588**, and if you desaturate by 10%, it is **52.6974, 0.2399, 0.3516**.

Distribution



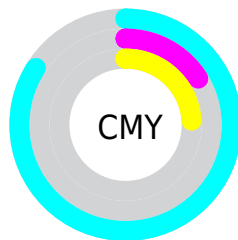
- Red (16%)
- Green (84%)
- Blue (76%)



- Red (16%)
- Yellow (52%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)




- Cyan (84%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0209, 0.2362, 0.3552 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 52.0209, 0.2362, 0.3552 by changing the saturation by 10% instead.

 52.0209, 0.2362,
0.3552

 52.0209, 0.2362,
0.3552


394.5173, 0.2732,
0.3429


 37.0217, 0.2274,
0.3580


 93.1621, 0.2493,
0.3509


 25.2243, 0.2164,
0.3615


 120.0728, 0.2543,
0.3492


 16.2443, 0.2022,
0.3659


 151.7230, 0.2586,
0.3478

 9.6972, 0.1832,
0.3716

 188.4968, 0.2623,
0.3466

 5.1986, 0.1570,
0.3790

 230.7788, 0.2655,
0.3455

 2.3643, 0.1181,
0.3890

278.9532, 0.2684,

 0.8074, 0.0000,

0.3445

0.4250

333.4046, 0.2709,
0.3436

■ 0.0000, 0.0000,
0.0000

■ 52.0209, 0.2362,
0.3552

■ 52.0209, 0.2362,
0.3552

■ 51.5880, 0.2344,
0.3588

■ 52.6974, 0.2399,
0.3516

■ 51.3382, 0.2340,
0.3623

■ 53.6448, 0.2455,
0.3479

■ 54.8929, 0.2530,
0.3444

■ 56.4664, 0.2623,
0.3409

■ 58.3872, 0.2732,
0.3376

 60.6754, 0.2853,
0.3346

 63.3494, 0.2984,
0.3317

 66.4266, 0.3122,
0.3291

 69.9232, 0.3265,
0.3267

Harmonies

Analogous

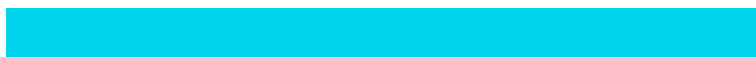
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0209, 0.2852, 0.4129



52.0209, 0.2362, 0.3552



52.0209, 0.2088, 0.2949

Triad

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



52.0209, 0.2362, 0.3552



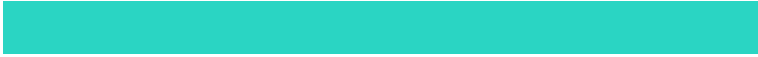
52.0209, 0.2724, 0.2389



52.0209, 0.4304, 0.3915

Complementary

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



52.0209, 0.2362, 0.3552



16.1158, 0.5699, 0.3158

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.



52.0209, 0.4291, 0.3452



52.0209, 0.2362, 0.3552



52.0209, 0.3324, 0.2621

Square

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



52.0209, 0.2362, 0.3552



52.0209, 0.2282, 0.2348



52.0209, 0.3919, 0.2996



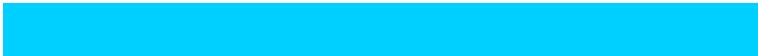
52.0209, 0.3981, 0.4283

Rectangle

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



52.0209, 0.2362, 0.3552



52.0209, 0.2043, 0.2643



52.0209, 0.3919, 0.2996



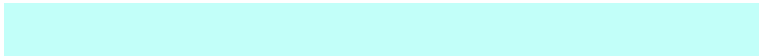
52.0209, 0.4341, 0.3765

Sweetspot

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



52.0229, 0.2362, 0.3552



89.7749, 0.2804, 0.3357



48.7780, 0.3074, 0.5727



18.9536, 0.2761, 0.3368



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.



52.0229, 0.2362, 0.3552



77.2559, 0.2341, 0.3612



26.2818, 0.2013, 0.2255



14.0843, 0.2997, 0.3314



31.3646, 0.2338, 0.3618



1.8984, 0.2321, 0.3555

Inverse Universe

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



16.1158, 0.5699, 0.3158



21.6086, 0.6227, 0.3229



24.9222, 0.5237, 0.3936



12.4418, 0.3275, 0.3266



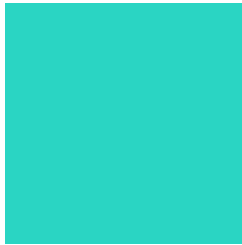
8.6847, 0.6268, 0.3227



0.5312, 0.5933, 0.3042

Previews

White Background



This preview shows how the Yxy color 52.0209, 0.2362, 0.3552 looks on a white background.

Color Contrast Check

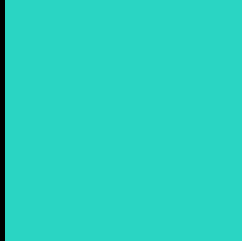
Large Text (above 18pt) WCAG AA × Fail

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 52.0209, 0.2362, 0.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

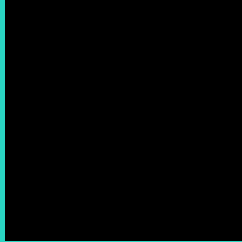
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

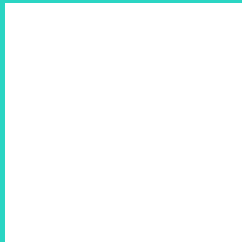
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.0209, 0.2362, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 52.0209, 0.2362, 0.3552.

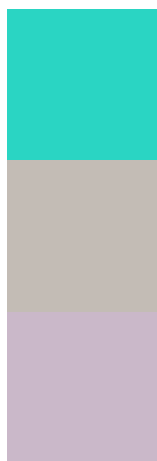


This preview shows how white text looks on a background with the Yxy color 52.0209, 0.2362, 0.3552.

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

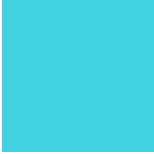
52.0209, 0.2362, 0.3552

Protanopia

50.9047, 0.3240, 0.3378

Deuteranopia

51.0546, 0.3145, 0.3086



Tritanopia

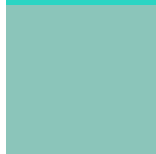
52.1610, 0.2269, 0.3068

Trichromacy



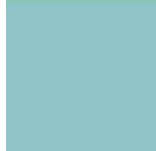
Original Color

52.0209, 0.2362, 0.3552



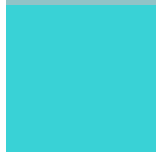
Protanomaly

48.9666, 0.2775, 0.3442



Deuteranomaly

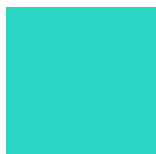
49.0830, 0.2723, 0.3235



Tritanomaly

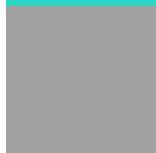
51.8181, 0.2299, 0.3231

Monochromacy



Original Color

52.0209, 0.2362, 0.3552



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.0392, 0.2684, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0209, 0.2362, 0.3552 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(42, 213, 195)` looks like.

```
.text, #text, p{  
    color:rgb(42, 213, 195)  
}
```

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(42, 213, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 213, 195) }
```

Border

The CSS property to change the border of an element to Yxy 52.0209, 0.2362, 0.3552 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(42, 213, 195) }
```

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

```
.border{ border-color:rgb(42, 213, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 213, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 213, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 213, 195);  
box-shadow:4px 4px 4px 4px rgb(42, 213,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0209, 0.2362, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 213, 195) }
```

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

```
.background{ background-color: rgb(42, 213,  
195) }
```

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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