

Converting Colors

$Y_{xy}(51.5244, 0.2263, 0.3210)$

Have a look what the booklet for
Yxy(51.5244, 0.2263, 0.3210)
contains.

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Color

Yxy(51.5433, 0.2262, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	2AD2D8
RGB	42, 210, 216
RGB Percent	16%, 82%, 85%
CMY	0.8343, 0.1765, 0.1530
CMYK	0.80, 0.03, 0.00, 0.15
HSL	182°, 69%, 51%
HSV	182°, 80%, 85%
XYZ	36.4005, 51.5433, 72.9781
YIQ	160.4520, -102.0540, -33.7500

Conversions

Conversions Part 2

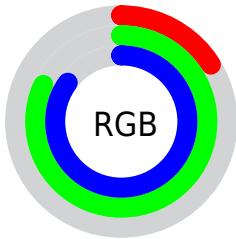
Format	Color
R _Y B	42, 127, 216
Decimal	2806488
CIE Lab	77.01, -37.79, -14.67
CIE LCh	77, 40.540, 201.217
Yxy	51.5433, 0.2262, 0.3203
Android (android.graphics.Color)	4280996568 (0xFF2AD2D8)
YUV	160.4520, 27.3852, -103.8824
Hunter-Lab	71.7937, -35.1365, -10.0126

Details

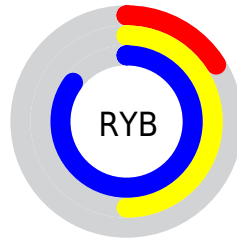
The Yxy color **51.5433, 0.2262, 0.3203** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.8969, 0.5889, 0.3339**, and the grayscale version is **35.3135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **26.0159, 0.2215, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **50.8371, 0.2232, 0.3192**, and if you desaturate by 10%, it is **52.5005, 0.2310, 0.3215**.

Distribution



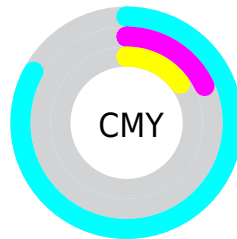
- Red (16%)
- Green (82%)
- Blue (85%)



- Red (16%)
- Yellow (50%)
- Blue (85%)



- Cyan (80%)
- Magenta (3%)
- Yellow (0%)
- Black (15%)




- Cyan (83%)
- Magenta (18%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5433, 0.2262, 0.3203 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 51.5433, 0.2262, 0.3203 by changing the saturation by 10% instead.


 51.5433, 0.2262,
0.3203


 51.5433, 0.2262,
0.3203


392.6709, 0.2674,
0.3259

 36.6412, 0.2166,
0.3186

 92.4574, 0.2407,
0.3226


 24.9298, 0.2047,
0.3161


 119.2381, 0.2462,
0.3234


 16.0248, 0.1896,
0.3126


 150.7471, 0.2510,
0.3240

 9.5417, 0.1698,
0.3073

 187.3689, 0.2551,
0.3246

 5.0961, 0.1431,
0.2984

 229.4877, 0.2588,
0.3250

 2.3038, 0.1062,
0.2822

277.4881, 0.2620,

 0.7757, 0.0000,

0.3254

0.2621

331.7544, 0.2648,
0.3257

■ 0.0000, 0.0000,
0.0000

■ 51.5433, 0.2262,
0.3203

■ 51.5433, 0.2262,
0.3203

■ 50.8371, 0.2232,
0.3192

■ 52.5005, 0.2310,
0.3215

■ 50.3328, 0.2217,
0.3181

■ 53.7374, 0.2377,
0.3226

■ 55.2850, 0.2463,
0.3238

■ 57.1686, 0.2568,
0.3249

■ 59.4110, 0.2688,
0.3260

■ 62.0329, 0.2822,
0.3271

■ 65.0535, 0.2967,
0.3281

■ 68.4906, 0.3120,
0.3290

■ 72.3611, 0.3278,
0.3298

Harmonies

Analogous

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



51.5433, 0.2605, 0.3759



51.5433, 0.2262, 0.3203



51.5433, 0.2141, 0.2741

Triad

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



51.5433, 0.2262, 0.3203



51.5433, 0.3071, 0.2574



51.5433, 0.4054, 0.4074

Complementary

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



51.5433, 0.2262, 0.3203



16.8969, 0.5889, 0.3339

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.



51.5433, 0.4222, 0.3695



51.5433, 0.2262, 0.3203



51.5433, 0.3630, 0.2870

Square

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



51.5433, 0.2262, 0.3203



51.5433, 0.2574, 0.2431



51.5433, 0.4067, 0.3266



51.5433, 0.3638, 0.4281

Rectangle

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



51.5433, 0.2262, 0.3203



51.5433, 0.2188, 0.2542



51.5433, 0.4067, 0.3266



51.5433, 0.4143, 0.3959

Sweetspot

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



51.5452, 0.2262, 0.3203



88.8463, 0.2770, 0.3267



49.8102, 0.2998, 0.5732



18.7254, 0.2722, 0.3263



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.



51.5452, 0.2262, 0.3203



73.4774, 0.2220, 0.3183



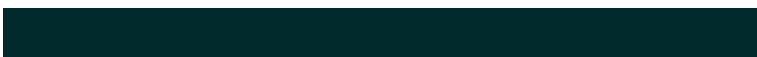
19.7002, 0.1899, 0.1827



14.0311, 0.2983, 0.3281



29.8339, 0.2218, 0.3183



1.8229, 0.2223, 0.3202

Inverse Universe

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



20.9219, 0.3274, 0.1680



28.1098, 0.3296, 0.1596



32.0652, 0.4927, 0.4226



12.6250, 0.3143, 0.3068



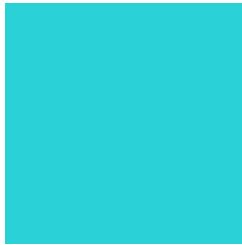
11.3566, 0.3297, 0.1590



0.6873, 0.3280, 0.1581

Previews

White Background



This preview shows how the Yxy color 51.5433, 0.2262, 0.3203 looks on a white background.

Color Contrast Check

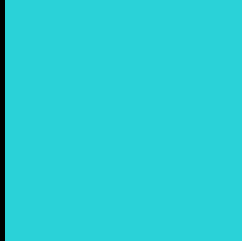
Large Text (above 18pt) WCAG AA × Fail

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 51.5433, 0.2262, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

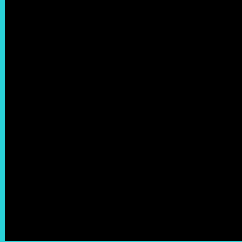
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5433, 0.2262, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 51.5433, 0.2262, 0.3203.

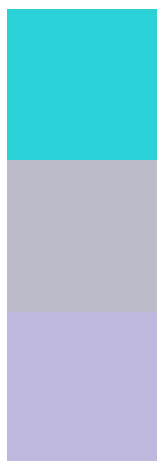


This preview shows how white text looks on a background with the Yxy color 51.5433, 0.2262, 0.3203.

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

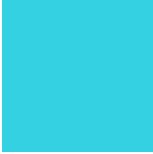
51.5433, 0.2262, 0.3203

Protanopia

50.4963, 0.3022, 0.3104

Deuteranopia

50.6313, 0.2901, 0.2835



Tritanopia

51.7410, 0.2238, 0.3067

Trichromacy



Original Color

51.5433, 0.2262, 0.3203



Protanomaly

48.6861, 0.2618, 0.3126



Deuteranomaly

48.6256, 0.2552, 0.2933



Tritanomaly

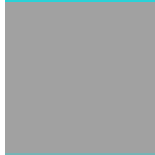
51.5032, 0.2244, 0.3106

Monochromacy



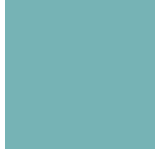
Original Color

51.5433, 0.2262, 0.3203



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

39.4279, 0.2639, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5433, 0.2262, 0.3203 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, 210, 216)` looks like.

```
.text, #text, p{  
  color:rgb(42, 210, 216)  
}
```

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, 210, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 210, 216) }
```

Border

The CSS property to change the border of an element to Yxy 51.5433, 0.2262, 0.3203 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, 210, 216) }
```

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

```
.border{ border-color:rgb(42, 210, 216) }
```

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

Here you see how a box with a 4 pixel rgb(42, 210, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 210, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 210, 216);  
box-shadow:4px 4px 4px 4px rgb(42, 210,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5433, 0.2262, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 210, 216) }
```

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

```
.background{ background-color: rgb(42, 210,  
216) }
```

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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