

Converting Colors

$Yxy(52.6563, 0.2323, 0.3467)$

Have a look what the booklet for
Yxy(52.6563, 0.2323, 0.3467)
contains.

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Color

Yxy(52.6807, 0.2322, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	21D6CA
RGB	33, 214, 202
RGB Percent	13%, 84%, 79%
CMY	0.8691, 0.1608, 0.2078
CMYK	0.84, 0.00, 0.06, 0.16
HSL	176°, 73%, 49%
HSV	176°, 84%, 84%
XYZ	35.3437, 52.6807, 64.1880
YIQ	158.5130, -104.0240, -42.1040

Conversions

Conversions Part 2

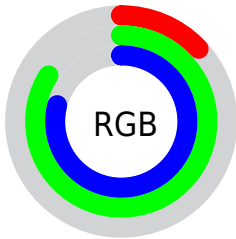
Format	Color
RYB	33, 127, 214
Decimal	2217674
CIELab	77.69, -44.27, -6.17
CIELCh	78, 44.696, 187.935
Yxy	52.6807, 0.2322, 0.3461
Android (android.graphics.Color)	4280407754 (0xFF21D6CA)
YUV	158.5130, 21.4391, -110.0749
Hunter-Lab	72.5815, -40.0966, -1.6265

Details

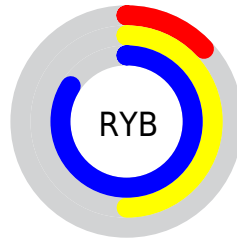
The Yxy color **52.6807, 0.2322, 0.3461** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **15.5955, 0.5946, 0.3224**, and the grayscale version is **34.4244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **26.5918, 0.2300, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **52.3642, 0.2307, 0.3483**, and if you desaturate by 10%, it is **53.2265, 0.2354, 0.3439**.

Distribution



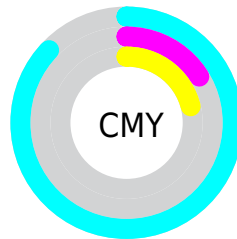
- Red (13%)
- Green (84%)
- Blue (79%)



- Red (13%)
- Yellow (50%)
- Blue (84%)



- Cyan (84%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)




- Cyan (87%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6807, 0.2322, 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 52.6807, 0.2322, 0.3461 by changing the saturation by 10% instead.


 52.6807, 0.2322,
0.3461


 52.6807, 0.2322,
0.3461


397.0589, 0.2708,
0.3386


 37.5479, 0.2231,
0.3477


 94.1344, 0.2458,
0.3436


 25.6320, 0.2118,
0.3495


 121.2240, 0.2511,
0.3426

 16.5486, 0.1972,
0.3517


 153.0681, 0.2555,
0.3417

 9.9131, 0.1780,
0.3541

 190.0511, 0.2594,
0.3409

 5.3414, 0.1517,
0.3566

 232.5572, 0.2628,
0.3402

 2.4489, 0.1141,
0.3581

280.9710, 0.2658,

 0.8509, 0.0000,

0.3396

0.3757

335.6767, 0.2684,
0.3391

■ 0.0000, 0.0000,
0.0000

■ 52.6807, 0.2322,
0.3461

■ 52.6807, 0.2322,
0.3461

■ 52.3642, 0.2307,
0.3483

■ 53.2265, 0.2354,
0.3439

■ 52.2490, 0.2304,
0.3495

■ 54.0324, 0.2405,
0.3416

■ 55.1305, 0.2476,
0.3394

■ 56.5469, 0.2564,
0.3373

■ 58.3047, 0.2670,
0.3352

60.4249, 0.2790,
0.3332

62.9269, 0.2922,
0.3314

65.8285, 0.3063,
0.3297

69.1467, 0.3210,
0.3282

Harmonies

Analogous

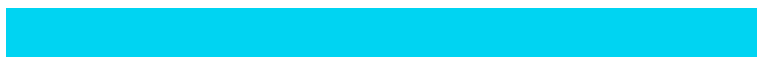
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.6807, 0.2781, 0.4048



52.6807, 0.2322, 0.3461



52.6807, 0.2084, 0.2884

Triad

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



52.6807, 0.2322, 0.3461



52.6807, 0.2806, 0.2423



52.6807, 0.4259, 0.3966

Complementary

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



52.6807, 0.2322, 0.3461



15.5955, 0.5946, 0.3224

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.



52.6807, 0.4296, 0.3516



52.6807, 0.2322, 0.3461



52.6807, 0.3407, 0.2675

Square

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



52.6807, 0.2322, 0.3461



52.6807, 0.2342, 0.2355



52.6807, 0.3974, 0.3061



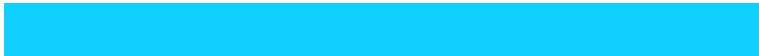
52.6807, 0.3905, 0.4303

Rectangle

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



52.6807, 0.2322, 0.3461



52.6807, 0.2063, 0.2603



52.6807, 0.3974, 0.3061



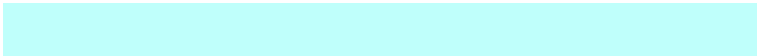
52.6807, 0.4311, 0.3822

Sweetspot

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



52.6827, 0.2322, 0.3461



89.5794, 0.2780, 0.3334



48.7677, 0.3036, 0.5824



18.9242, 0.2736, 0.3341



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.



52.6827, 0.2322, 0.3461



77.6981, 0.2305, 0.3497



22.7145, 0.1939, 0.2044



14.0930, 0.2991, 0.3305



31.5904, 0.2303, 0.3492



1.9098, 0.2293, 0.3454

Inverse Universe

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



15.5955, 0.5946, 0.3224



21.3002, 0.6350, 0.3272



25.9158, 0.5245, 0.4026



12.4340, 0.3281, 0.3275



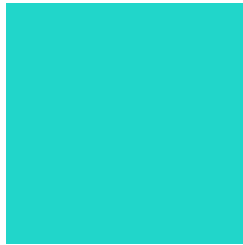
8.6660, 0.6324, 0.3258



0.5275, 0.6095, 0.3131

Previews

White Background



This preview shows how the Yxy color 52.6807, 0.2322, 0.3461 looks on a white background.

Color Contrast Check

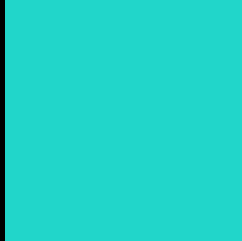
Large Text (above 18pt) WCAG AA × Fail

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 52.6807, 0.2322, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

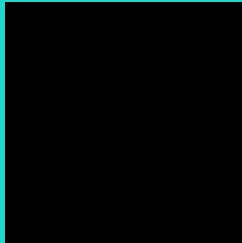
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

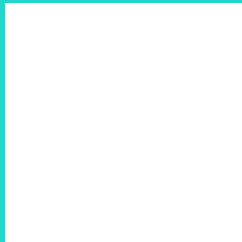
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.6807, 0.2322, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 52.6807, 0.2322, 0.3461.

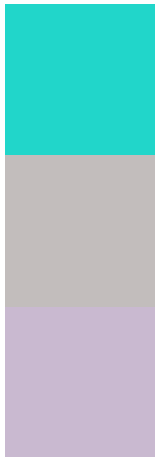


This preview shows how white text looks on a background with the Yxy color 52.6807, 0.2322, 0.3461.

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

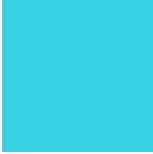
52.6807, 0.2322, 0.3461

Protanopia

51.4954, 0.3176, 0.3303

Deuteranopia

51.6695, 0.3083, 0.3015



Tritanopia

52.5091, 0.2246, 0.3055

Trichromacy



Original Color

52.6807, 0.2322, 0.3461



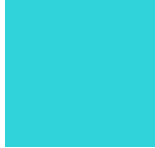
Protanomaly

49.4727, 0.2713, 0.3358



Deuteranomaly

49.5115, 0.2656, 0.3154



Tritanomaly

52.2789, 0.2268, 0.3190

Monochromacy



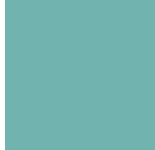
Original Color

52.6807, 0.2322, 0.3461



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

38.8461, 0.2645, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6807, 0.2322, 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(33, 214, 202)` looks like.

```
.text, #text, p{  
    color:rgb(33, 214, 202)  
}
```

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(33, 214, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 214, 202) }
```

Border

The CSS property to change the border of an element to Yxy 52.6807, 0.2322, 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(33, 214, 202) }
```

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

```
.border{ border-color:rgb(33, 214, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 214, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 214, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 214, 202);  
box-shadow:4px 4px 4px 4px rgb(33, 214,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6807, 0.2322, 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(33, 214, 202) }
```

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

```
.background{ background-color: rgb(33, 214,  
202) }
```

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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