

Converting Colors

$Y_{xy}(52.7086, 0.2379, 0.3269)$

Have a look what the booklet for
Yxy(52.7086, 0.2379, 0.3269)
contains.

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Color

Yxy(52.5960, 0.2375, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	51D2D4
RGB	81, 210, 212
RGB Percent	32%, 82%, 83%
CMY	0.6827, 0.1764, 0.1686
CMYK	0.62, 0.01, 0.00, 0.17
HSL	181°, 60%, 57%
HSV	181°, 62%, 83%
XYZ	38.3176, 52.5960, 70.4238
YIQ	171.6570, -77.5260, -26.7260

Conversions

Conversions Part 2

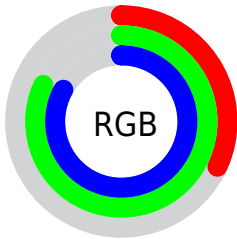
Format	Color
RYP	81, 146, 212
Decimal	5362388
CIELab	77.64, -34.24, -11.52
CIElCh	78, 36.123, 198.598
Yxy	52.5960, 0.2375, 0.3260
Android (android.graphics.Color)	4283552468 (0xFF51D2D4)
YUV	171.6570, 19.8891, -79.5062
Hunter-Lab	72.5231, -32.6048, -6.8076

Details

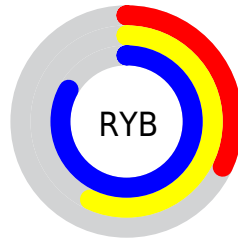
The Yxy color **52.5960, 0.2375, 0.3260** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.7619, 0.5069, 0.3317**, and the grayscale version is **40.9881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **25.8770, 0.2236, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **51.6452, 0.2313, 0.3255**, and if you desaturate by 10%, it is **53.8433, 0.2456, 0.3265**.

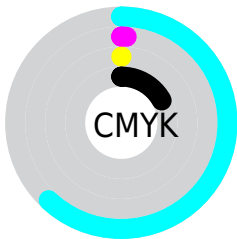
Distribution



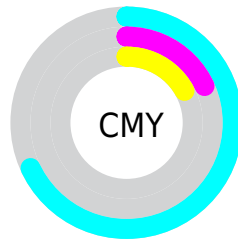
- Red (32%)
- Green (82%)
- Blue (83%)



- Red (32%)
- Yellow (57%)
- Blue (83%)



- Cyan (62%)
- Magenta (1%)
- Yellow (0%)
- Black (17%)




- Cyan (68%)
- Magenta (18%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5960, 0.2375, 0.3260 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 52.5960, 0.2375, 0.3260 by changing the saturation by 10% instead.


 52.5960, 0.2375,
0.3260

 52.5960, 0.2375,
0.3260


396.7332, 0.2734,
0.3285


 37.4804, 0.2291,
0.3251


 94.0096, 0.2502,
0.3271


 25.5796, 0.2186,
0.3239


 121.0764, 0.2550,
0.3275

 16.5094, 0.2051,
0.3219


 152.8956, 0.2592,
0.3277

 9.8853, 0.1874,
0.3189

 189.8518, 0.2628,
0.3279

 5.3230, 0.1631,
0.3135

232.3292, 0.2660,
0.3281

 2.4380, 0.1284,
0.3031

280.7124, 0.2687,

 0.8453, 0.0000,

0.3283

0.3031

335.3855, 0.2712,
0.3284

0.0000, 0.0000,
0.0000

52.5960, 0.2375,
0.3260

52.5960, 0.2375,
0.3260

51.6452, 0.2313,
0.3255

53.8433, 0.2456,
0.3265

50.9565, 0.2270,
0.3250

55.4058, 0.2556,
0.3270

50.4983, 0.2245,
0.3245

57.3074, 0.2673,
0.3275

50.2471, 0.2234,
0.3241

59.5682, 0.2804,
0.3280

62.2068, 0.2947,
0.3285

■ 65.2404, 0.3099,
0.3289

■ 68.6851, 0.3256,
0.3293

■ 72.5563, 0.3416,
0.3297

■ 73.5601, 0.3450,
0.3300

Harmonies

Analogous

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



52.5960, 0.2700, 0.3742



52.5960, 0.2375, 0.3260



52.5960, 0.2245, 0.2836

Triad

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



52.5960, 0.2375, 0.3260



52.5960, 0.3038, 0.2630



52.5960, 0.3976, 0.3969

Complementary

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



52.5960, 0.2375, 0.3260



20.7619, 0.5069, 0.3317

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.



52.5960, 0.4097, 0.3627



52.5960, 0.2375, 0.3260



52.5960, 0.3532, 0.2888

Square

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



52.5960, 0.2375, 0.3260



52.5960, 0.2603, 0.2517



52.5960, 0.3933, 0.3241



52.5960, 0.3625, 0.4160

Rectangle

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



52.5960, 0.2375, 0.3260



52.5960, 0.2275, 0.2645



52.5960, 0.3933, 0.3241



52.5960, 0.4046, 0.3866

Sweetspot

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



52.5980, 0.2375, 0.3260



91.4711, 0.2841, 0.3282



49.4284, 0.3034, 0.5278



19.3444, 0.2801, 0.3280



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.



52.5980, 0.2375, 0.3260



78.0899, 0.2298, 0.3253



27.1974, 0.2153, 0.2285



14.0739, 0.2983, 0.3286



31.0321, 0.2234, 0.3242



1.8823, 0.2236, 0.3250

Inverse Universe

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



24.5224, 0.3215, 0.1890



32.2280, 0.3230, 0.1712



35.2893, 0.4491, 0.4066



12.6293, 0.3140, 0.3064



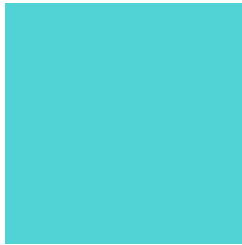
11.4776, 0.3247, 0.1562



0.6933, 0.3240, 0.1559

Previews

White Background



This preview shows how the Yxy color 52.5960, 0.2375, 0.3260 looks on a white background.

Color Contrast Check

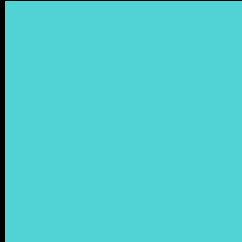
Large Text (above 18pt) WCAG AA × Fail

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 52.5960, 0.2375, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

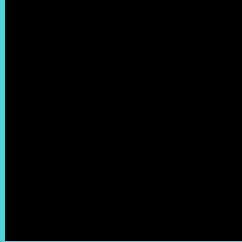
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

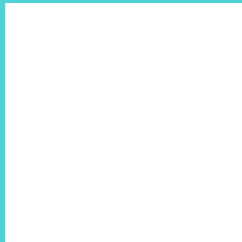
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5960, 0.2375, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 52.5960, 0.2375, 0.3260.

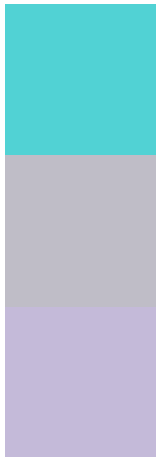


This preview shows how white text looks on a background with the Yxy color 52.5960, 0.2375, 0.3260.

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

52.5960, 0.2375, 0.3260

Protanopia

51.5951, 0.3068, 0.3166

Deuteranopia

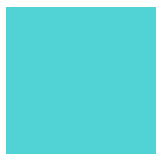
51.8633, 0.2976, 0.2921



Tritanopia

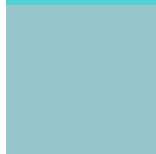
52.5742, 0.2331, 0.3058

Trichromacy



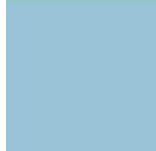
Original Color

52.5960, 0.2375, 0.3260



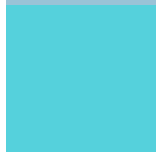
Protanomaly

50.8714, 0.2741, 0.3197



Deuteranomaly

50.8065, 0.2691, 0.3031



Tritanomaly

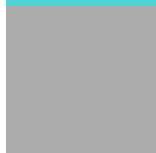
52.6995, 0.2350, 0.3137

Monochromacy



Original Color

52.5960, 0.2375, 0.3260



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.1946, 0.2755, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5960, 0.2375, 0.3260 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(81, 210, 212)` looks like.

```
.text, #text, p{  
    color:rgb(81, 210, 212)  
}
```

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(81, 210, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 210, 212) }
```

Border

The CSS property to change the border of an element to Yxy 52.5960, 0.2375, 0.3260 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(81, 210, 212) }
```

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

```
.border{ border-color:rgb(81, 210, 212) }
```

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

Here you see how a box with a 4 pixel rgb(81, 210, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 210, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 210, 212);  
box-shadow:4px 4px 4px 4px rgb(81, 210,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5960, 0.2375, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 210, 212) }
```

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

```
.background{ background-color: rgb(81, 210,  
212) }
```

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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