

Converting Colors

$Y_{xy}(54.0940, 0.2628, 0.3369)$

Have a look what the booklet for
Yxy(54.0940, 0.2628, 0.3369)
contains.

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Color

Yxy(53.9652, 0.2630, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	80D0CA
RGB	128, 208, 202
RGB Percent	50%, 82%, 79%
CMY	0.4980, 0.1843, 0.2080
CMYK	0.38, 0.00, 0.03, 0.18
HSL	175°, 46%, 66%
HSV	175°, 38%, 82%
XYZ	42.1153, 53.9652, 64.0536
YIQ	183.3960, -45.7540, -18.8260

Conversions

Conversions Part 2

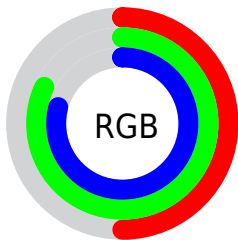
Format	Color
RYB	128, 170, 208
Decimal	8442058
CIELab	78.44, -25.89, -4.75
CIELCh	78, 26.321, 190.399
Yxy	53.9652, 0.2630, 0.3370
Android (android.graphics.Color)	4286632138 (0xFF80D0CA)
YUV	183.3960, 9.1718, -48.5823
Hunter-Lab	73.4610, -26.2225, -0.2747

Details

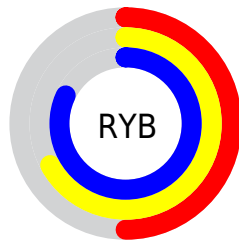
The Yxy color **53.9652, 0.2630, 0.3370** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.5718, 0.4001, 0.3216**, and the grayscale version is **47.5501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **26.3371, 0.2501, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **52.4423, 0.2532, 0.3394**, and if you desaturate by 10%, it is **55.8237, 0.2744, 0.3347**.

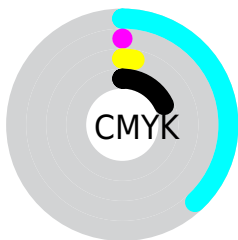
Distribution



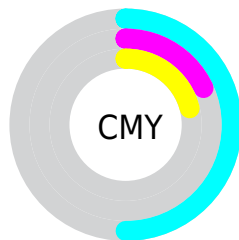
- Red (50%)
- Green (82%)
- Blue (79%)



- Red (50%)
- Yellow (67%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)




- Cyan (50%)
- Magenta (18%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9652, 0.2630, 0.3370 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 53.9652, 0.2630, 0.3370 by changing the saturation by 10% instead.


 53.9652, 0.2630,
0.3370

 53.9652, 0.2630,
0.3370

401.9773, 0.2870,
0.3334

 38.5738, 0.2573,
0.3378


 96.0231, 0.2715,
0.3358

 26.4284, 0.2501,
0.3387

 123.4585, 0.2748,
0.3353

 17.1444, 0.2408,
0.3398


 155.6774, 0.2775,
0.3349

 10.3375, 0.2283,
0.3411

193.0641, 0.2799,
0.3345

 5.6233, 0.2106,
0.3426

236.0030, 0.2820,
0.3342

 2.6174, 0.1840,
0.3441

284.8786, 0.2839,

 0.9354, 0.0987,

0.3339

340.0752, 0.2855,
0.3337

0.3605

0.0000, 0.0000,
0.0000

53.9652, 0.2630,
0.3370

53.9652, 0.2630,
0.3370

52.4423, 0.2532,
0.3394

55.8237, 0.2744,
0.3347

51.2283, 0.2451,
0.3419

58.0301, 0.2870,
0.3326

50.3028, 0.2389,
0.3444


60.6037, 0.3006,
0.3306

49.6400, 0.2346,
0.3470

63.5606, 0.3150,
0.3287

49.2099, 0.2322,
0.3496

66.9159, 0.3297,
0.3271

 48.9661, 0.2313,
0.3521

 70.6840, 0.3446,
0.3256

 48.9348, 0.2312,
0.3524

 71.1773, 0.3451,
0.3241

 71.2573, 0.3439,
0.3225

 71.3382, 0.3428,
0.3209

Harmonies

Analogous

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



53.9652, 0.2906, 0.3692



53.9652, 0.2630, 0.3370



53.9652, 0.2487, 0.3044

Triad

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



53.9652, 0.2630, 0.3370



53.9652, 0.2972, 0.2764



53.9652, 0.3787, 0.3736

Complementary

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



53.9652, 0.2630, 0.3370



30.5718, 0.4001, 0.3216

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.



53.9652, 0.3813, 0.3473



53.9652, 0.2630, 0.3370



53.9652, 0.3328, 0.2932

Square

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



53.9652, 0.2630, 0.3370



53.9652, 0.2675, 0.2718



53.9652, 0.3642, 0.3185



53.9652, 0.3577, 0.3898

Rectangle

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



53.9652, 0.2630, 0.3370



53.9652, 0.2479, 0.2875



53.9652, 0.3642, 0.3185



53.9652, 0.3818, 0.3655

Sweetspot

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



53.9673, 0.2630, 0.3370



94.5034, 0.2955, 0.3313



51.7972, 0.3119, 0.4439



20.1111, 0.2937, 0.3315



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.



53.9673, 0.2630, 0.3370



83.5606, 0.2549, 0.3389



39.6758, 0.2527, 0.2820



13.3911, 0.2993, 0.3307



30.5029, 0.2311, 0.3521



1.7102, 0.2299, 0.3474

Inverse Universe

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



30.5718, 0.4001, 0.3216



41.4436, 0.4289, 0.3201



40.5771, 0.3908, 0.3713



11.8225, 0.3279, 0.3273



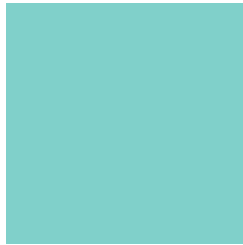
8.3861, 0.6311, 0.3250



0.4741, 0.6040, 0.3101

Previews

White Background



This preview shows how the Yxy color 53.9652, 0.2630, 0.3370 looks on a white background.

Color Contrast Check

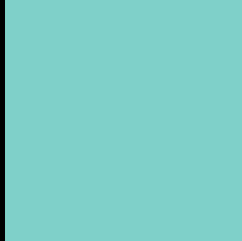
Large Text (above 18pt) WCAG AA × Fail

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 53.9652, 0.2630, 0.3370 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

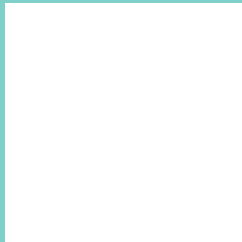
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.9652, 0.2630, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 53.9652, 0.2630, 0.3370.

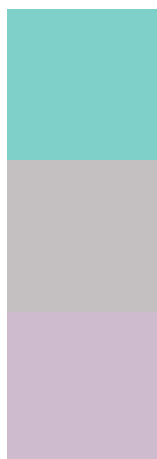


This preview shows how white text looks on a background with the Yxy color 53.9652, 0.2630, 0.3370.

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

53.9652, 0.2630, 0.3370

Protanopia

53.2853, 0.3152, 0.3278

Deuteranopia

53.5445, 0.3137, 0.3078



Tritanopia

53.9231, 0.2542, 0.3068

Trichromacy



Original Color

53.9652, 0.2630, 0.3370

Protanomaly

53.0316, 0.2935, 0.3315

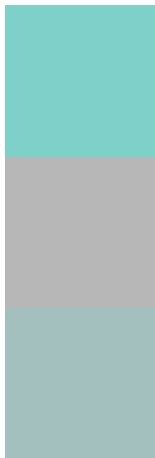
Deuteranomaly

52.9030, 0.2925, 0.3164

Tritanomaly

53.8742, 0.2571, 0.3170

Monochromacy



Original Color

53.9652, 0.2630, 0.3370

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

49.2035, 0.2915, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9652, 0.2630, 0.3370 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(128, 208, 202)` looks like.

```
.text, #text, p{  
    color:rgb(128, 208, 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(128, 208, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 208, 202) }
```

Border

The CSS property to change the border of an element to Yxy 53.9652, 0.2630, 0.3370 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(128, 208, 202) }
```

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

```
.border{ border-color:rgb(128, 208, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 208, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 208, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 208, 202);  
box-shadow:4px 4px 4px 4px rgb(128, 208,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 53.9652, 0.2630, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 208, 202) }
```

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

```
.background{ background-color: rgb(128,  
208, 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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