

Converting Colors

$Yxy(52.2564, 0.2674, 0.3440)$

Have a look what the booklet for
Yxy(52.2564, 0.2674, 0.3440)
contains.

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Color

Yxy(52.2248, 0.2676, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	81CDC2
RGB	129, 205, 194
RGB Percent	51%, 80%, 76%
CMY	0.4939, 0.1961, 0.2393
CMYK	0.37, 0.00, 0.05, 0.20
HSL	171°, 43%, 66%
HSV	171°, 37%, 80%
XYZ	40.6260, 52.2248, 58.9654
YIQ	181.0220, -41.7650, -19.5330

Conversions

Conversions Part 2

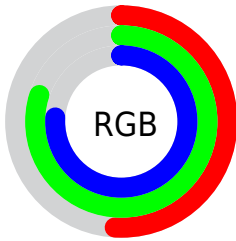
Format	Color
RYB	129, 170, 205
Decimal	8506818
CIELab	77.42, -26.01, -1.96
CIELCh	77, 26.086, 184.309
Yxy	52.2248, 0.2676, 0.3440
Android (android.graphics.Color)	4286696898 (0xFF81CDC2)
YUV	181.0220, 6.3982, -45.6233
Hunter-Lab	72.2667, -26.1198, 2.2095

Details

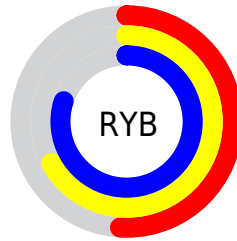
The Yxy color **52.2248, 0.2676, 0.3440** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.5891, 0.3890, 0.3150**, and the grayscale version is **46.2091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7364, 0.2751, 0.3342**, and **25.2020, 0.2560, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **50.6462, 0.2581, 0.3487**, and if you desaturate by 10%, it is **54.1323, 0.2785, 0.3395**.

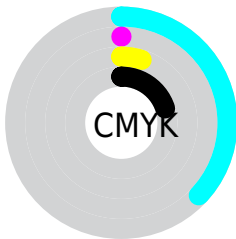
Distribution



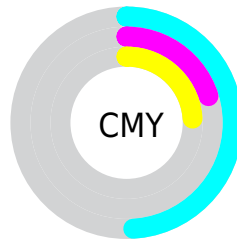
- Red (51%)
- Green (80%)
- Blue (76%)



- Red (51%)
- Yellow (67%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)





- Cyan (49%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2248, 0.2676, 0.3440 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 52.2248, 0.2676, 0.3440 by changing the saturation by 10% instead.


 52.2248, 0.2676,
0.3440


 52.2248, 0.2676,
0.3440


395.3038, 0.2896,
0.3368


 37.1843, 0.2623,
0.3457


 93.4627, 0.2754,
0.3415

 25.3502, 0.2556,
0.3478


 120.4289, 0.2784,
0.3405

 16.3382, 0.2468,
0.3506


 152.1390, 0.2810,
0.3397

 9.7638, 0.2350,
0.3542

188.9776, 0.2832,
0.3389

 5.2426, 0.2180,
0.3593

231.3290, 0.2851,
0.3383

 2.3903, 0.1918,
0.3667

279.5776, 0.2868,

 0.8209, 0.0727,

0.3378

0.4108

334.1077, 0.2882,
0.3373

0.0000, 0.0000,
0.0000

52.2248, 0.2676,
0.3440

52.2248, 0.2676,
0.3440

50.6462, 0.2581,
0.3487

54.1323, 0.2785,
0.3395

49.3710, 0.2503,
0.3537

56.3802, 0.2905,
0.3353

48.3796, 0.2443,
0.3587

58.9870, 0.3033,
0.3315

47.6479, 0.2402,
0.3639

61.9683, 0.3167,
0.3280

47.1475, 0.2381,
0.3690

65.3385, 0.3304,
0.3249

■ 46.8404, 0.2376,
0.3741

■ 69.1112, 0.3442,
0.3221

■ 46.7666, 0.2377,
0.3756

■ 69.8173, 0.3442,
0.3191

■ 69.9714, 0.3420,
0.3161

■ 70.1283, 0.3397,
0.3131

Harmonies

Analogous

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



52.2248, 0.2973, 0.3747



52.2248, 0.2676, 0.3440



52.2248, 0.2502, 0.3105

Triad

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



52.2248, 0.2676, 0.3440



52.2248, 0.2904, 0.2743



52.2248, 0.3810, 0.3689

Complementary

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



52.2248, 0.2676, 0.3440



30.5891, 0.3890, 0.3150

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.



52.2248, 0.3795, 0.3415



52.2248, 0.2676, 0.3440



52.2248, 0.3255, 0.2889

Square

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



52.2248, 0.2676, 0.3440



52.2248, 0.2627, 0.2724



52.2248, 0.3588, 0.3129



52.2248, 0.3632, 0.3878

Rectangle

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



52.2248, 0.2676, 0.3440



52.2248, 0.2473, 0.2920



52.2248, 0.3588, 0.3129



52.2248, 0.3828, 0.3603

Sweetspot

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



52.2269, 0.2676, 0.3440



94.8034, 0.2980, 0.3330



50.8620, 0.3157, 0.4376



20.1660, 0.2962, 0.3336



0.0000, 0.0000, 0.0000



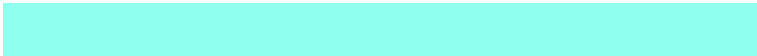
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.2269, 0.2676, 0.3440



83.5574, 0.2603, 0.3475



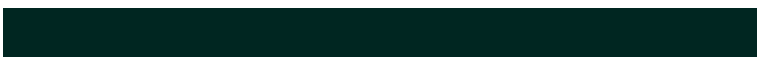
41.0861, 0.2560, 0.2915



12.6980, 0.3002, 0.3324



29.1257, 0.2375, 0.3748



1.5104, 0.2347, 0.3649

Inverse Universe

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



30.5891, 0.3890, 0.3150



43.3508, 0.4127, 0.3123



38.2196, 0.3895, 0.3633



11.2397, 0.3268, 0.3257



8.1461, 0.6190, 0.3183



0.4290, 0.5723, 0.2926

Previews

White Background



This preview shows how the Yxy color 52.2248, 0.2676, 0.3440 looks on a white background.

Color Contrast Check

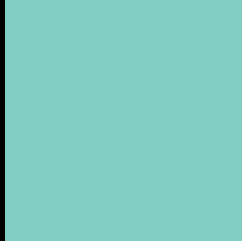
Large Text (above 18pt) WCAG AA × Fail

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 52.2248, 0.2676, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

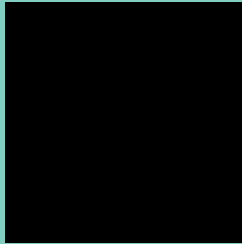
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

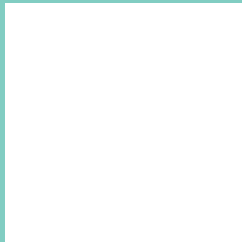
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2248, 0.2676, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 52.2248, 0.2676, 0.3440.

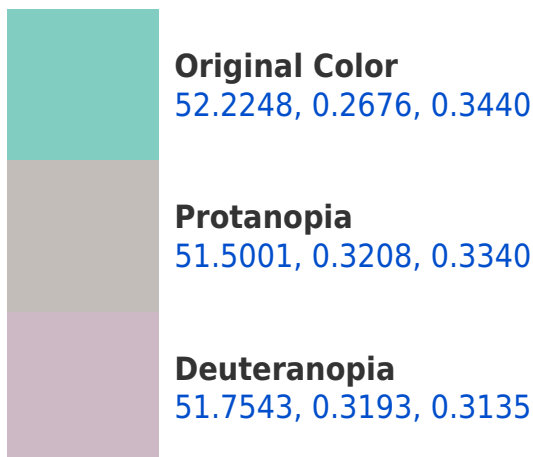


This preview shows how white text looks on a background with the Yxy color 52.2248, 0.2676, 0.3440.

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





Tritanopia

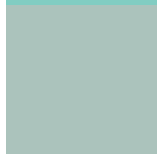
51.9861, 0.2567, 0.3065

Trichromacy



Original Color

52.2248, 0.2676, 0.3440



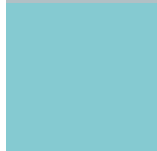
Protanomaly

51.3190, 0.2990, 0.3381



Deuteranomaly

51.0776, 0.2972, 0.3226



Tritanomaly

51.8311, 0.2608, 0.3195

Monochromacy



Original Color

52.2248, 0.2676, 0.3440



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.0535, 0.2934, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2248, 0.2676, 0.3440 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(129, 205, 194)` looks like.

```
.text, #text, p{  
    color:rgb(129, 205, 194)  
}
```

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(129, 205, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 205, 194) }
```

Border

The CSS property to change the border of an element to Yxy 52.2248, 0.2676, 0.3440 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(129, 205, 194) }
```

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

```
.border{ border-color:rgb(129, 205, 194) }
```

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

Here you see how a box with a 4 pixel rgb(129, 205, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 205, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 205, 194);  
box-shadow:4px 4px 4px 4px rgb(129, 205,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2248, 0.2676, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 205, 194) }
```

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

```
.background{ background-color: rgb(129,  
205, 194) }
```

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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