

Converting Colors

$Y_{xy}(53.9585, 0.2551, 0.3286)$

Have a look what the booklet for
Yxy(53.9585, 0.2551, 0.3286)
contains.

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Color

Yxy(54.1974, 0.2552, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	78D1D1
RGB	120, 209, 209
RGB Percent	47%, 82%, 82%
CMY	0.5290, 0.1804, 0.1804
CMYK	0.43, 0.00, 0.00, 0.18
HSL	180°, 49%, 65%
HSV	180°, 43%, 82%
XYZ	42.0656, 54.1974, 68.5709
YIQ	182.3890, -53.0440, -18.8680

Conversions

Conversions Part 2

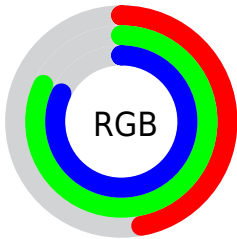
Format	Color
R _{YB}	120, 165, 209
Decimal	7918033
CIE _{Lab}	78.58, -26.62, -8.37
CIE _{LCh}	79, 27.906, 197.449
Y _{xy}	54.1974, 0.2552, 0.3288
Android (android.graphics.Color)	4286108113 (0xFF78D1D1)
YUV	182.3890, 13.1192, -54.7152
Hunter-Lab	73.6189, -26.8387, -3.6913

Details

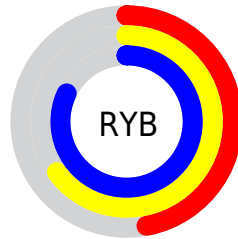
The Yxy color **54.1974, 0.2552, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3776, 0.4227, 0.3294**, and the grayscale version is **46.9645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **26.5019, 0.2400, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **52.8607, 0.2455, 0.3288**, and if you desaturate by 10%, it is **55.8646, 0.2666, 0.3288**.

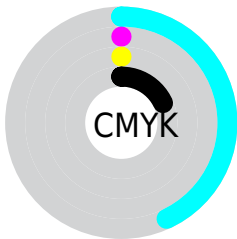
Distribution



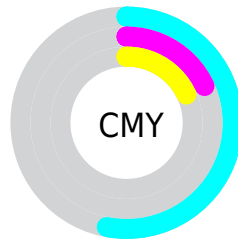
- Red (47%)
- Green (82%)
- Blue (82%)



- Red (47%)
- Yellow (65%)
- Blue (82%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (53%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1974, 0.2552, 0.3288 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 54.1974, 0.2552, 0.3288 by changing the saturation by 10% instead.

 54.1974, 0.2552,
0.3288


 54.1974, 0.2552,
0.3288


402.8623, 0.2828,
0.3295

 38.7595, 0.2487,
0.3285


 96.3640, 0.2649,
0.3292

 26.5727, 0.2405,
0.3280


 123.8615, 0.2687,
0.3293

 17.2526, 0.2300,
0.3272


 156.1477, 0.2719,
0.3293

 10.4147, 0.2160,
0.3259

193.6069, 0.2746,
0.3294

 5.6748, 0.1965,
0.3234

236.6236, 0.2770,
0.3294

 2.6484, 0.1677,
0.3183

285.5821, 0.2792,

 0.9510, 0.0847,

0.3294

0.3190

340.8669, 0.2811,
0.3295

0.0000, 0.0000,
0.0000

54.1974, 0.2552,
0.3288

54.1974, 0.2552,
0.3288

52.8607, 0.2455,
0.3288

55.8646, 0.2666,
0.3288

51.8267, 0.2377,
0.3287

57.8753, 0.2795,
0.3289

51.0735, 0.2318,
0.3287


60.2498, 0.2937,
0.3289


50.5736, 0.2278,
0.3287

63.0047, 0.3088,
0.3290


50.2937, 0.2255,
0.3287


66.1557, 0.3245,
0.3290

 50.1852, 0.2246,
0.3287

 69.7176, 0.3406,
0.3291

 71.4762, 0.3479,
0.3291

 71.4786, 0.3479,
0.3291

 71.4811, 0.3479,
0.3291

Harmonies

Analogous

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



54.1974, 0.2815, 0.3644



54.1974, 0.2552, 0.3288



54.1974, 0.2440, 0.2959

Triad

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



54.1974, 0.2552, 0.3288



54.1974, 0.3048, 0.2767



54.1974, 0.3788, 0.3813

Complementary

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



54.1974, 0.2552, 0.3288



28.3776, 0.4227, 0.3294

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.



54.1974, 0.3867, 0.3552



54.1974, 0.2552, 0.3288



54.1974, 0.3425, 0.2968

Square

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



54.1974, 0.2552, 0.3288



54.1974, 0.2713, 0.2685



54.1974, 0.3732, 0.3248



54.1974, 0.3529, 0.3951

Rectangle

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



54.1974, 0.2552, 0.3288



54.1974, 0.2459, 0.2802



54.1974, 0.3732, 0.3248



54.1974, 0.3837, 0.3735

Sweetspot

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



54.1995, 0.2552, 0.3288



94.2409, 0.2928, 0.3289



50.9645, 0.3066, 0.4601



19.9843, 0.2896, 0.3289



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.



54.1995, 0.2552, 0.3288



83.0766, 0.2464, 0.3288



35.3544, 0.2447, 0.2650



13.4066, 0.2983, 0.3290



30.9398, 0.2246, 0.3287



1.7301, 0.2246, 0.3287

Inverse Universe

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



31.6169, 0.3176, 0.2255



43.1326, 0.3185, 0.2062



41.6654, 0.3977, 0.3847



12.0090, 0.3138, 0.3061



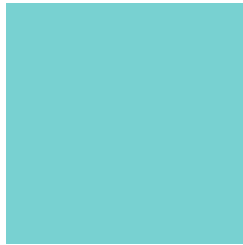
11.1947, 0.3210, 0.1542



0.6260, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 54.1974, 0.2552, 0.3288 looks on a white background.

Color Contrast Check

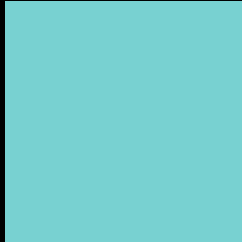
Large Text (above 18pt) WCAG AA × Fail

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 54.1974, 0.2552, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

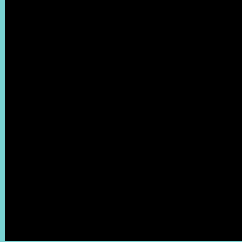
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

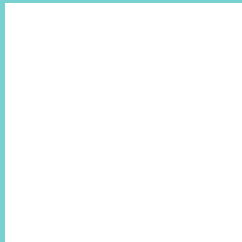
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.1974, 0.2552, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 54.1974, 0.2552, 0.3288.



This preview shows how white text looks on a background with the Yxy color 54.1974, 0.2552, 0.3288.

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

54.1974, 0.2552, 0.3288

Protanopia

53.4249, 0.3099, 0.3205

Deuteranopia

53.4670, 0.3060, 0.2996



Tritanopia

54.2384, 0.2495, 0.3079

Trichromacy



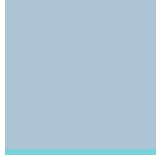
Original Color

54.1974, 0.2552, 0.3288



Protanomaly

53.0248, 0.2866, 0.3225



Deuteranomaly

53.1176, 0.2842, 0.3089



Tritanomaly

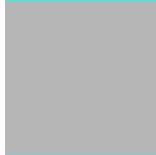
54.3847, 0.2518, 0.3156

Monochromacy



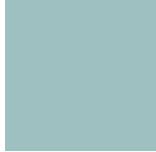
Original Color

54.1974, 0.2552, 0.3288



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

48.8760, 0.2871, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1974, 0.2552, 0.3288 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(120, 209, 209)` looks like.

```
.text, #text, p{  
    color:rgb(120, 209, 209)  
}
```

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(120, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 209, 209) }
```

Border

The CSS property to change the border of an element to Yxy 54.1974, 0.2552, 0.3288 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(120, 209, 209) }
```

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

```
.border{ border-color:rgb(120, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 209, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 209, 209); box-shadow:4px 4px 4px 4px rgb(120, 209, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1974, 0.2552, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 209, 209) }
```

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

```
.background{ background-color: rgb(120,  
209, 209) }
```

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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