

Converting Colors

$Y_{xy}(54.8420, 0.2672, 0.3639)$

Have a look what the booklet for
Yxy(54.8420, 0.2672, 0.3639)
contains.

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Color

Yxy(54.5968, 0.2672, 0.3636)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 77D4BB |
| RGB | 119, 212, 187 |
| RGB Percent | 47%, 83%, 73% |
| CMY | 0.5333, 0.1686, 0.2667 |
| CMYK | 0.44, 0.00, 0.12, 0.17 |
| HSL | 164°, 52%, 65% |
| HSV | 164°, 44%, 83% |
| XYZ | 40.1217, 54.5968, 55.4377 |
| YIQ | 181.3430, -47.4030, -27.4910 |

Conversions

Conversions Part 2

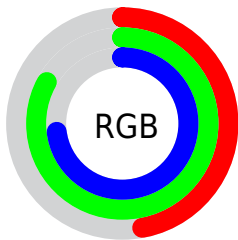
| Format | Color |
|-------------------------------------|--------------------------------------------------------------|
| RYB | 119, 173, 212 |
| Decimal | 7853243 |
| CIELab | 78.81, -33.58, 3.76 |
| CIElCh | 79, 33.793, 173.611 |
| Yxy | 54.5968, 0.2672, 0.3636 |
| Android (android.graphics.Color) | 4286043323 (0xFF77D4BB) |
| YUV | 181.3430, 2.7889, -54.6748 |
| Hunter-Lab | 73.8896, -32.3822, 7.2389 |

Details

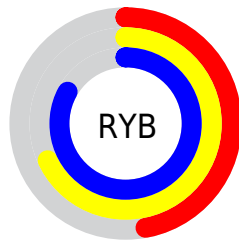
The Yxy color **54.5968, 0.2672, 0.3636** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.2076, 0.3959, 0.2981**, and the grayscale version is **46.4099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1050, 0.2734, 0.3420**, and **26.8593, 0.2549, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **53.0231, 0.2599, 0.3731**, and if you desaturate by 10%, it is **56.5191, 0.2760, 0.3546**.

Distribution



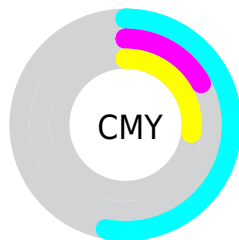
- Red (47%)
- Green (83%)
- Blue (73%)



- Red (47%)
- Yellow (68%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (12%)
- Black (17%)





- Cyan (53%)
- Magenta (17%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5968, 0.2672, 0.3636 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 54.5968, 0.2672, 0.3636 by changing the saturation by 10% instead.


 54.5968, 0.2672,
0.3636


 54.5968, 0.2672,
0.3636


404.3817, 0.2894,
0.3465


 39.0790, 0.2618,
0.3678

 96.9500, 0.2751,
0.3574

 26.8212, 0.2550,
0.3732


 124.5541, 0.2782,
0.3551

 17.4390, 0.2461,
0.3803


 156.9558, 0.2807,
0.3531

 10.5480, 0.2340,
0.3900

194.5395, 0.2830,
0.3514

 5.7638, 0.2167,
0.4043

237.6895, 0.2849,
0.3500

 2.7020, 0.1898,
0.4271

286.7903, 0.2866,

 0.9782, 0.0568,

0.3487

0.5192

342.2262, 0.2881,
0.3475

■ 0.0000, 0.0000,
0.0000

■ 54.5968, 0.2672,
0.3636

■ 54.5968, 0.2672,
0.3636

■ 53.0231, 0.2599,
0.3731

■ 56.5191, 0.2760,
0.3546

■ 51.7688, 0.2542,
0.3829

■ 58.8040, 0.2860,
0.3463

■ 50.8108, 0.2505,
0.3930


■ 61.4725, 0.2968,
0.3385

■ 50.1197, 0.2488,
0.4032


■ 64.5423, 0.3082,
0.3315

■ 49.6600, 0.2490,
0.4133


■ 68.0299, 0.3199,
0.3252

 49.4551, 0.2498,
0.4194

 71.9507, 0.3318,
0.3196

 73.8888, 0.3343,
0.3141

 74.2086, 0.3302,
0.3085

 74.5389, 0.3262,
0.3029

Harmonies

Analogous

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



54.5968, 0.3082, 0.3987



54.5968, 0.2672, 0.3636



54.5968, 0.2395, 0.3192

Triad

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



54.5968, 0.2672, 0.3636



54.5968, 0.2701, 0.2577



54.5968, 0.4022, 0.3666

Complementary

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



54.5968, 0.2672, 0.3636



29.2076, 0.3959, 0.2981

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.



54.5968, 0.3914, 0.3307



54.5968, 0.2672, 0.3636



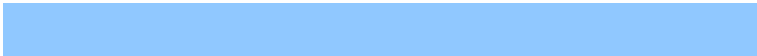
54.5968, 0.3122, 0.2707

Square

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



54.5968, 0.2672, 0.3636



54.5968, 0.2413, 0.2610



54.5968, 0.3574, 0.2967



54.5968, 0.3872, 0.3963

Rectangle

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



54.5968, 0.2672, 0.3636



54.5968, 0.2313, 0.2929



54.5968, 0.3574, 0.2967



54.5968, 0.4016, 0.3549

Sweetspot

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



54.5990, 0.2672, 0.3636



93.6851, 0.2976, 0.3380



54.4729, 0.3244, 0.4577



19.8458, 0.2951, 0.3397



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.



54.5990, 0.2672, 0.3636



80.5992, 0.2601, 0.3728



46.3117, 0.2490, 0.3011



14.0482, 0.3018, 0.3353



30.5478, 0.2494, 0.4180



1.8560, 0.2446, 0.4006

Inverse Universe

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



29.2076, 0.3959, 0.2981



37.0634, 0.4253, 0.2922



33.8410, 0.4162, 0.3545



12.4751, 0.3249, 0.3228



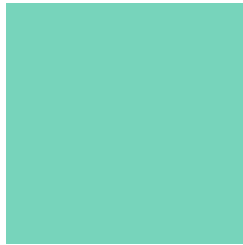
8.8378, 0.5856, 0.2999



0.5469, 0.5355, 0.2724

Previews

White Background



This preview shows how the Yxy color 54.5968, 0.2672, 0.3636 looks on a white background.

Color Contrast Check

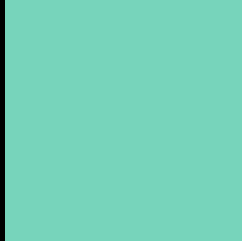
Large Text (above 18pt) WCAG AA × Fail

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 54.5968, 0.2672, 0.3636 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

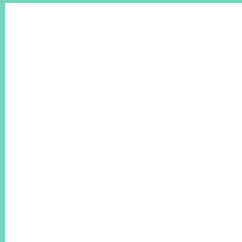
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.5968, 0.2672, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 54.5968, 0.2672, 0.3636.



This preview shows how white text looks on a background with the Yxy color 54.5968, 0.2672, 0.3636.

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

54.5968, 0.2672, 0.3636

Protanopia

53.7318, 0.3316, 0.3487

Deuteranopia

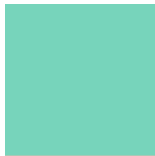
53.9183, 0.3305, 0.3243



Tritanopia

54.6205, 0.2520, 0.3081

Trichromacy



Original Color

54.5968, 0.2672, 0.3636



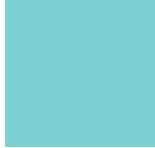
Protanomaly

53.3027, 0.3039, 0.3537



Deuteranomaly

53.2339, 0.3037, 0.3379



Tritanomaly

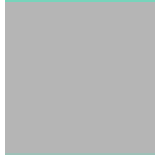
54.6140, 0.2572, 0.3275

Monochromacy



Original Color

54.5968, 0.2672, 0.3636



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.3873, 0.2926, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5968, 0.2672, 0.3636 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(119, 212, 187)` looks like.

```
.text, #text, p{  
    color:rgb(119, 212, 187)  
}
```

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(119, 212, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 212, 187) }
```

Border

The CSS property to change the border of an element to Yxy 54.5968, 0.2672, 0.3636 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(119, 212, 187) }
```

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

```
.border{ border-color:rgb(119, 212, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 212, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 212, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 212, 187);  
box-shadow:4px 4px 4px 4px rgb(119, 212,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5968, 0.2672, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 212, 187) }
```

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

```
.background{ background-color: rgb(119,  
212, 187) }
```

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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