

Converting Colors

$Y_{xy}(47.2616, 0.2552, 0.3157)$

Have a look what the booklet for
Yxy(47.2616, 0.2552, 0.3157)
contains.

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Color

Yxy(47.4548, 0.2553, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	79C3CC
RGB	121, 195, 204
RGB Percent	47%, 76%, 80%
CMY	0.5254, 0.2353, 0.2000
CMYK	0.41, 0.04, 0.00, 0.20
HSL	187°, 45%, 64%
HSV	187°, 41%, 80%
XYZ	38.3029, 47.4548, 64.2733
YIQ	173.9000, -46.9930, -12.8890

Conversions

Conversions Part 2

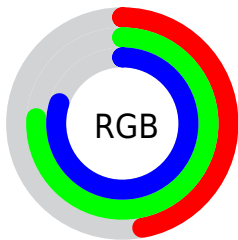
Format	Color
R _{YB}	121, 160, 204
Decimal	7979980
CIE Lab	74.48, -20.68, -11.77
CIE LCh	74, 23.796, 209.652
Yxy	47.4548, 0.2553, 0.3163
Android (android.graphics.Color)	4286170060 (0xFF79C3CC)
YUV	173.9000, 14.8393, -46.3933
Hunter-Lab	68.8874, -21.3032, -7.0975

Details

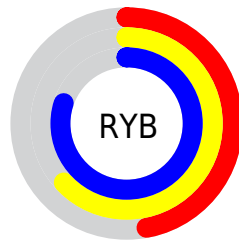
The Yxy color **47.4548, 0.2553, 0.3163** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.1964, 0.4104, 0.3410**, and the grayscale version is **42.2183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1879, 0.2682, 0.3256**, and **22.3756, 0.2395, 0.3114** is the 20% darker color. If you saturate the color by 10%, you get **45.1493, 0.2441, 0.3127**, and if you desaturate by 10%, it is **50.0904, 0.2679, 0.3198**.

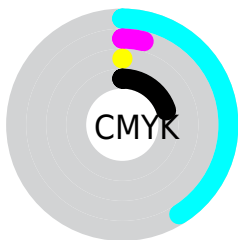
Distribution



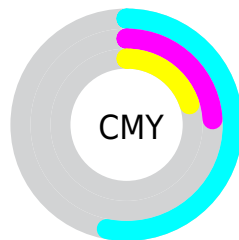
- Red (47%)
- Green (76%)
- Blue (80%)



- Red (47%)
- Yellow (63%)
- Blue (80%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)





- Cyan (53%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4548, 0.2553, 0.3163 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 47.4548, 0.2553, 0.3163 by changing the saturation by 10% instead.


 47.4548, 0.2553,
0.3163

 47.4548, 0.2553,
0.3163


376.6270, 0.2834,
0.3232


 33.3953, 0.2485,
0.3144


 86.3921, 0.2653,
0.3189

 22.4295, 0.2399,
0.3119


 112.0387, 0.2692,
0.3199

 14.1728, 0.2288,
0.3084


 142.3165, 0.2724,
0.3207

 8.2410, 0.2136,
0.3033

177.6099, 0.2752,
0.3214

 4.2495, 0.1921,
0.2951

218.3032, 0.2776,
0.3219

 1.8141, 0.1595,
0.2805

264.7809, 0.2798,

 0.4959, 0.0000,

0.3224

0.2588

317.4274, 0.2817,
0.3228

0.0000, 0.0000,
0.0000

47.4548, 0.2553,
0.3163

47.4548, 0.2553,
0.3163

45.1493, 0.2441,
0.3127

50.0904, 0.2679,
0.3198

43.1486, 0.2346,
0.3090

53.0687, 0.2817,
0.3230

41.4322, 0.2270,
0.3052

56.4083, 0.2964,
0.3260

39.9749, 0.2212,
0.3014

60.1248, 0.3117,
0.3288

38.7466, 0.2174,
0.2977


64.2330, 0.3272,
0.3313

 37.7563, 0.2151,
0.2942

 68.7467, 0.3428,
0.3336

 71.9644, 0.3514,
0.3358

 73.0695, 0.3509,
0.3380

 74.1899, 0.3505,
0.3403

Harmonies

Analogous

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



47.4548, 0.2739, 0.3481



47.4548, 0.2553, 0.3163



47.4548, 0.2513, 0.2904

Triad

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



47.4548, 0.2553, 0.3163



47.4548, 0.3196, 0.2883



47.4548, 0.3640, 0.3825

Complementary

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



47.4548, 0.2553, 0.3163



30.1964, 0.4104, 0.3410

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.



47.4548, 0.3780, 0.3631



47.4548, 0.2553, 0.3163



47.4548, 0.3518, 0.3099

Square

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



47.4548, 0.2553, 0.3163



47.4548, 0.2870, 0.2762



47.4548, 0.3736, 0.3367



47.4548, 0.3363, 0.3880

Rectangle

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



47.4548, 0.2553, 0.3163



47.4548, 0.2572, 0.2797



47.4548, 0.3736, 0.3367



47.4548, 0.3705, 0.3773

Sweetspot

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



47.4567, 0.2553, 0.3163



92.5492, 0.2942, 0.3256



48.8514, 0.3019, 0.4406



19.6478, 0.2922, 0.3252



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.



47.4567, 0.2553, 0.3163



75.1353, 0.2452, 0.3131



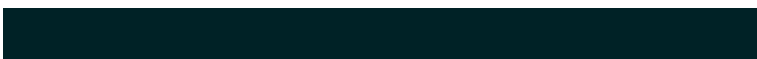
31.6117, 0.2458, 0.2557



12.5108, 0.2983, 0.3264



23.8452, 0.2152, 0.2948



1.2911, 0.2172, 0.3020

Inverse Universe

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



30.4608, 0.3266, 0.2391



43.6152, 0.3303, 0.2210



43.2771, 0.3886, 0.3922



11.3819, 0.3154, 0.3086



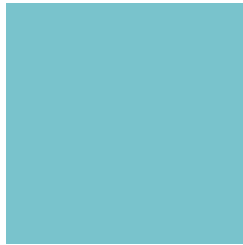
10.2102, 0.3501, 0.1702



0.5329, 0.3436, 0.1667

Previews

White Background



This preview shows how the Yxy color 47.4548, 0.2553, 0.3163 looks on a white background.

Color Contrast Check

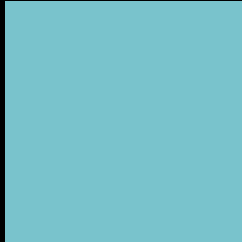
Large Text (above 18pt) WCAG AA × Fail

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 47.4548, 0.2553, 0.3163 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 47.4548, 0.2553, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 47.4548, 0.2553, 0.3163.

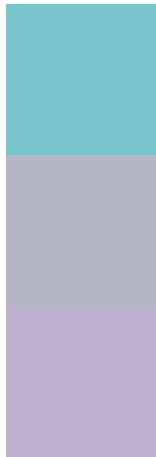


This preview shows how white text looks on a background with the Yxy color 47.4548, 0.2553, 0.3163.

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

47.4548, 0.2553, 0.3163

Protanopia

46.9330, 0.3027, 0.3111

Deuteranopia

47.0862, 0.2977, 0.2918



Tritanopia

47.4477, 0.2528, 0.3069

Trichromacy



Original Color

47.4548, 0.2553, 0.3163

Protanomaly

46.6686, 0.2833, 0.3129

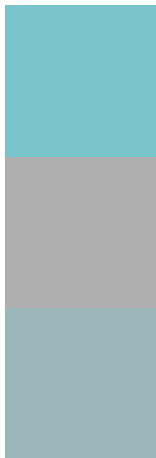
Deuteranomaly

46.6785, 0.2800, 0.2990

Tritanomaly

47.2752, 0.2534, 0.3095

Monochromacy



Original Color

47.4548, 0.2553, 0.3163

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.9272, 0.2884, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4548, 0.2553, 0.3163 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(121, 195, 204)` looks like.

```
.text, #text, p{  
    color:rgb(121, 195, 204)  
}
```

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(121, 195, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 195, 204) }
```

Border

The CSS property to change the border of an element to Yxy 47.4548, 0.2553, 0.3163 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(121, 195, 204) }
```

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

```
.border{ border-color:rgb(121, 195, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 195, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 195, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 195, 204);  
box-shadow:4px 4px 4px 4px rgb(121, 195,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4548, 0.2553, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 195, 204) }
```

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

```
.background{ background-color: rgb(121,  
195, 204) }
```

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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