

Converting Colors

$Y_{xy}(48.5895, 0.2646, 0.3425)$

Have a look what the booklet for
Yxy(48.5895, 0.2646, 0.3425)
contains.

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Color

Yxy(48.5859, 0.2647, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	79C7BD
RGB	121, 199, 189
RGB Percent	47%, 78%, 74%
CMY	0.5258, 0.2195, 0.2589
CMYK	0.39, 0.00, 0.05, 0.22
HSL	172°, 41%, 63%
HSV	172°, 39%, 78%
XYZ	37.4838, 48.5859, 55.5389
YIQ	174.5380, -43.2780, -19.6460

Conversions

Conversions Part 2

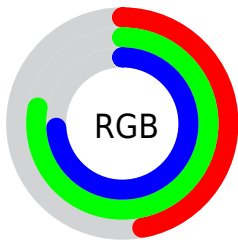
Format	Color
RYB	121, 163, 199
Decimal	7980989
CIELab	75.19, -26.41, -2.57
CIELCh	75, 26.531, 185.560
Yxy	48.5859, 0.2647, 0.3431
Android (android.graphics.Color)	4286171069 (0xFF79C7BD)
YUV	174.5380, 7.1298, -46.9528
Hunter-Lab	69.7036, -25.9911, 1.5510

Details

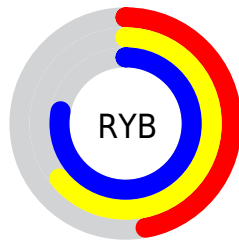
The Yxy color **48.5859, 0.2647, 0.3431** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.4365, 0.3970, 0.3159**, and the grayscale version is **42.5891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4597, 0.2734, 0.3398**, and **23.1866, 0.2514, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **47.1864, 0.2554, 0.3473**, and if you desaturate by 10%, it is **50.2877, 0.2754, 0.3391**.

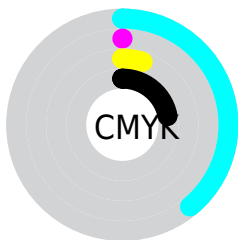
Distribution



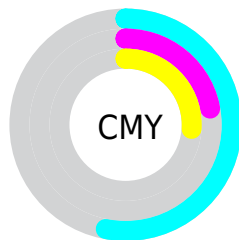
- Red (47%)
- Green (78%)
- Blue (74%)



- Red (47%)
- Yellow (64%)
- Blue (78%)



- Cyan (39%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (53%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5859, 0.2647, 0.3431 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 48.5859, 0.2647, 0.3431 by changing the saturation by 10% instead.


 48.5859, 0.2647,
0.3431


 48.5859, 0.2647,
0.3431

381.1098, 0.2883,
0.3363


 34.2911, 0.2589,
0.3447


 88.0761, 0.2732,
0.3407

 23.1173, 0.2516,
0.3467


 114.0403, 0.2764,
0.3398

 14.6802, 0.2419,
0.3493


 144.6631, 0.2792,
0.3390

 8.5952, 0.2287,
0.3527

180.3289, 0.2815,
0.3383

 4.4781, 0.2096,
0.3574

221.4221, 0.2835,
0.3377

 1.9444, 0.1796,
0.3642

268.3270, 0.2853,

 0.5749, 0.0000,

0.3372

0.4164

321.4281, 0.2869,
0.3367

0.0000, 0.0000,
0.0000

48.5859, 0.2647,
0.3431

48.5859, 0.2647,
0.3431

47.1864, 0.2554,
0.3473

50.2877, 0.2754,
0.3391

46.0651, 0.2479,
0.3517

52.3029, 0.2874,
0.3354

45.2035, 0.2422,
0.3561

54.6489, 0.3003,
0.3319

44.5782, 0.2384,
0.3606

57.3403, 0.3138,
0.3288

44.1620, 0.2365,
0.3651

60.3908, 0.3276,
0.3259

■ 43.9074, 0.2361,
0.3695

■ 63.8132, 0.3416,
0.3234

■ 43.8902, 0.2361,
0.3699

■ 66.6144, 0.3514,
0.3210

■ 66.7403, 0.3494,
0.3184

■ 66.8683, 0.3474,
0.3158

Harmonies

Analogous

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



48.5859, 0.2952, 0.3756



48.5859, 0.2647, 0.3431



48.5859, 0.2473, 0.3082

Triad

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



48.5859, 0.2647, 0.3431



48.5859, 0.2908, 0.2726



48.5859, 0.3834, 0.3714

Complementary

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



48.5859, 0.2647, 0.3431



27.4365, 0.3970, 0.3159

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.



48.5859, 0.3828, 0.3431



48.5859, 0.2647, 0.3431



48.5859, 0.3276, 0.2882

Square

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



48.5859, 0.2647, 0.3431



48.5859, 0.2617, 0.2700



48.5859, 0.3620, 0.3133



48.5859, 0.3642, 0.3908

Rectangle

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



48.5859, 0.2647, 0.3431



48.5859, 0.2448, 0.2894



48.5859, 0.3620, 0.3133



48.5859, 0.3856, 0.3626

Sweetspot

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



48.5878, 0.2647, 0.3431



94.4007, 0.2964, 0.3329



47.0855, 0.3147, 0.4452



20.0868, 0.2947, 0.3334



0.0000, 0.0000, 0.0000



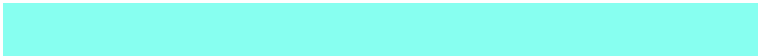
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5878, 0.2647, 0.3431



82.9513, 0.2568, 0.3466



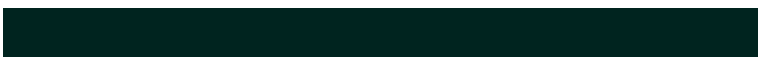
37.0759, 0.2526, 0.2870



12.0432, 0.3001, 0.3320



28.2257, 0.2359, 0.3692



1.3432, 0.2333, 0.3600

Inverse Universe

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



27.4365, 0.3970, 0.3159



40.8493, 0.4255, 0.3133



35.1938, 0.3946, 0.3670



10.6587, 0.3270, 0.3261



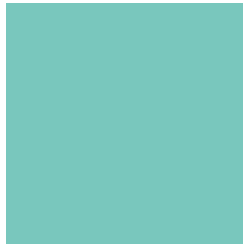
7.8617, 0.6221, 0.3201



0.3797, 0.5764, 0.2949

Previews

White Background



This preview shows how the Yxy color 48.5859, 0.2647, 0.3431 looks on a white background.

Color Contrast Check

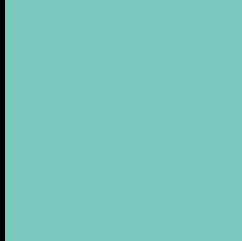
Large Text (above 18pt) WCAG AA × Fail

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 48.5859, 0.2647, 0.3431 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

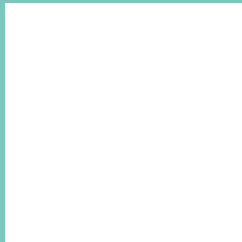
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5859, 0.2647, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 48.5859, 0.2647, 0.3431.

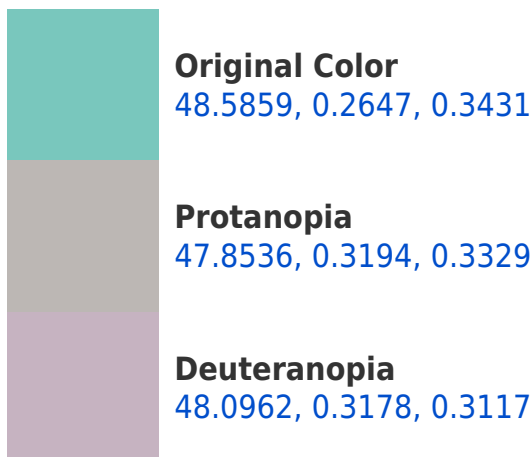


This preview shows how white text looks on a background with the Yxy color 48.5859, 0.2647, 0.3431.

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

48.6950, 0.2550, 0.3085

Trichromacy



Original Color

48.5859, 0.2647, 0.3431

Protanomaly

47.7066, 0.2971, 0.3370

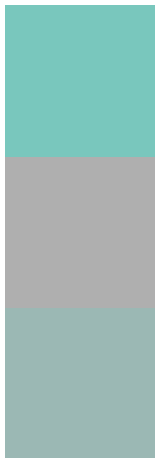
Deuteranomaly

47.4696, 0.2952, 0.3211

Tritanomaly

48.6043, 0.2586, 0.3206

Monochromacy



Original Color

48.5859, 0.2647, 0.3431

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.5448, 0.2921, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5859, 0.2647, 0.3431 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, 199, 189)` looks like.

```
.text, #text, p{  
    color:rgb(121, 199, 189)  
}
```

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, 199, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 199, 189) }
```

Border

The CSS property to change the border of an element to Yxy 48.5859, 0.2647, 0.3431 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, 199, 189) }
```

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

```
.border{ border-color:rgb(121, 199, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 199, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 199, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 199, 189); box-shadow:4px 4px 4px 4px rgb(121, 199, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5859, 0.2647, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 199, 189) }
```

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

```
.background{ background-color: rgb(121,  
199, 189) }
```

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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