

Converting Colors

$Y_{xy}(48.4165, 0.2585, 0.3523)$

Have a look what the booklet for
Yxy(48.4165, 0.2585, 0.3523)
contains.

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Color

Yxy(48.2793, 0.2587, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	69C9B9
RGB	105, 201, 185
RGB Percent	41%, 79%, 73%
CMY	0.5885, 0.2117, 0.2746
CMYK	0.48, 0.00, 0.08, 0.21
HSL	170°, 47%, 60%
HSV	170°, 48%, 79%
XYZ	35.4624, 48.2793, 53.3375
YIQ	170.4720, -52.0800, -25.3280

Conversions

Conversions Part 2

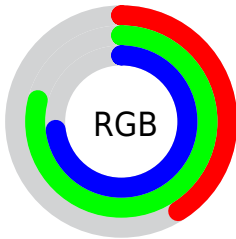
Format	Color
RYB	105, 157, 201
Decimal	6932921
CIELab	75.00, -32.29, -0.76
CIELCh	75, 32.300, 181.352
Yxy	48.2793, 0.2587, 0.3522
Android (android.graphics.Color)	4285123001 (0xFF69C9B9)
YUV	170.4720, 7.1623, -57.4189
Hunter-Lab	69.4833, -30.4942, 3.1255

Details

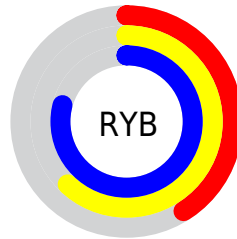
The Yxy color **48.2793, 0.2587, 0.3522** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.8909, 0.4207, 0.3085**, and the grayscale version is **40.4230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5523, 0.2680, 0.3445**, and **22.7816, 0.2437, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **47.0653, 0.2512, 0.3579**, and if you desaturate by 10%, it is **49.7881, 0.2679, 0.3467**.

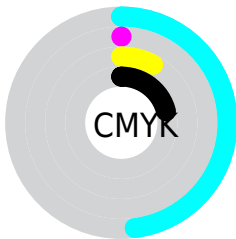
Distribution



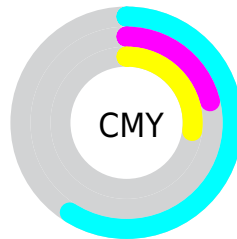
- Red (41%)
- Green (79%)
- Blue (73%)



- Red (41%)
- Yellow (62%)
- Blue (79%)



- Cyan (48%)
- Magenta (0%)
- Yellow (8%)
- Black (21%)





- Cyan (59%)
- Magenta (21%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2793, 0.2587, 0.3522 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 48.2793, 0.2587, 0.3522 by changing the saturation by 10% instead.


 48.2793, 0.2587,
0.3522


 48.2793, 0.2587,
0.3522


379.8981, 0.2854,
0.3408


 34.0481, 0.2522,
0.3550


 87.6201, 0.2683,
0.3481

 22.9306, 0.2439,
0.3585

 113.4985, 0.2719,
0.3466

 14.5422, 0.2329,
0.3631


 144.0282, 0.2750,
0.3453

 8.4988, 0.2180,
0.3693

 179.5934, 0.2777,
0.3441

 4.4157, 0.1963,
0.3783

220.5786, 0.2800,
0.3431

 1.9087, 0.1623,
0.3922

267.3682, 0.2820,

 0.5536, 0.0000,

0.3423

0.4577

320.3466, 0.2838,
0.3415

0.0000, 0.0000,
0.0000

48.2793, 0.2587,
0.3522

48.2793, 0.2587,
0.3522

47.0653, 0.2512,
0.3579

49.7881, 0.2679,
0.3467

46.1197, 0.2455,
0.3638

51.6045, 0.2784,
0.3415

45.4210, 0.2417,
0.3698

53.7474, 0.2901,
0.3367

44.9420, 0.2398,
0.3758

56.2328, 0.3026,
0.3322

44.6429, 0.2397,
0.3817


59.0752, 0.3156,
0.3281

 44.5867, 0.2397,
0.3830

 62.2887, 0.3290,
0.3245

 65.8864, 0.3424,
0.3213

 67.7836, 0.3472,
0.3180

 67.9545, 0.3446,
0.3146

Harmonies

Analogous

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



48.2793, 0.2969, 0.3912



48.2793, 0.2587, 0.3522



48.2793, 0.2356, 0.3085

Triad

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



48.2793, 0.2587, 0.3522



48.2793, 0.2801, 0.2599



48.2793, 0.4004, 0.3750

Complementary

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



48.2793, 0.2587, 0.3522



23.8909, 0.4207, 0.3085

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.



48.2793, 0.3963, 0.3401



48.2793, 0.2587, 0.3522



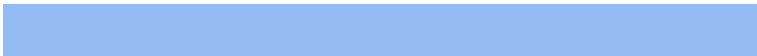
48.2793, 0.3241, 0.2766

Square

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



48.2793, 0.2587, 0.3522



48.2793, 0.2474, 0.2587



48.2793, 0.3676, 0.3051



48.2793, 0.3794, 0.4015

Rectangle

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



48.2793, 0.2587, 0.3522



48.2793, 0.2308, 0.2846



48.2793, 0.3676, 0.3051



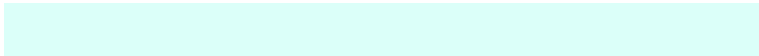
48.2793, 0.4020, 0.3639

Sweetspot

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



48.2812, 0.2587, 0.3522



93.4688, 0.2945, 0.3350



46.9764, 0.3177, 0.4732



19.8140, 0.2918, 0.3360



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.



48.2812, 0.2587, 0.3522



80.5677, 0.2512, 0.3579



36.1891, 0.2416, 0.2835



12.0360, 0.3006, 0.3329



28.0421, 0.2395, 0.3821



1.3361, 0.2361, 0.3698

Inverse Universe

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



23.8909, 0.4207, 0.3085



34.0551, 0.4579, 0.3053



30.8683, 0.4226, 0.3689



10.6653, 0.3264, 0.3252



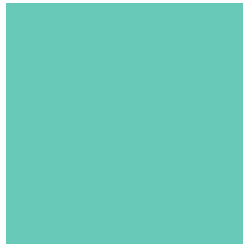
7.8879, 0.6139, 0.3155



0.3827, 0.5604, 0.2861

Previews

White Background



This preview shows how the Yxy color 48.2793, 0.2587, 0.3522 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 48.2793, 0.2587, 0.3522 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

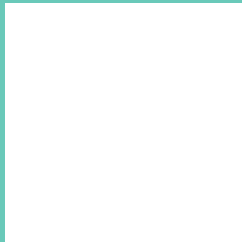
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2793, 0.2587, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 48.2793, 0.2587, 0.3522.

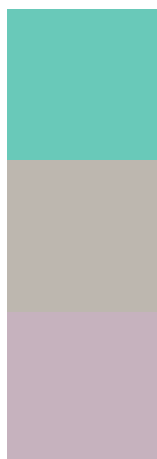


This preview shows how white text looks on a background with the Yxy color 48.2793, 0.2587, 0.3522.

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

48.2793, 0.2587, 0.3522

Protanopia

47.7809, 0.3242, 0.3393

Deuteranopia

47.5643, 0.3204, 0.3141



Tritanopia

48.2473, 0.2467, 0.3068

Trichromacy



Original Color

48.2793, 0.2587, 0.3522

Protanomaly

47.3507, 0.2953, 0.3440

Deuteranomaly

46.6412, 0.2934, 0.3263

Tritanomaly

48.0150, 0.2507, 0.3218

Monochromacy



Original Color

48.2793, 0.2587, 0.3522

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.2539, 0.2885, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2793, 0.2587, 0.3522 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(105, 201, 185)` looks like.

```
.text, #text, p{  
    color:rgb(105, 201, 185)  
}
```

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(105, 201, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 201, 185) }
```

Border

The CSS property to change the border of an element to Yxy 48.2793, 0.2587, 0.3522 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(105, 201, 185) }
```

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

```
.border{ border-color:rgb(105, 201, 185) }
```

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

Here you see how a box with a 4 pixel rgb(105, 201, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 201, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 201, 185);  
box-shadow:4px 4px 4px 4px rgb(105, 201,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2793, 0.2587, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 201, 185) }
```

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

```
.background{ background-color: rgb(105,  
201, 185) }
```

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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