

Converting Colors

$Y_{xy}(48.1963, 0.2595, 0.3540)$

Have a look what the booklet for
Yxy(48.1963, 0.2595, 0.3540)
contains.

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Color

Yxy(48.2372, 0.2593, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	69C9B8
RGB	105, 201, 184
RGB Percent	41%, 79%, 72%
CMY	0.5882, 0.2117, 0.2785
CMYK	0.48, 0.00, 0.08, 0.21
HSL	169°, 47%, 60%
HSV	169°, 48%, 79%
XYZ	35.3630, 48.2372, 52.7786
YIQ	170.3580, -51.7590, -25.6390

Conversions

Conversions Part 2

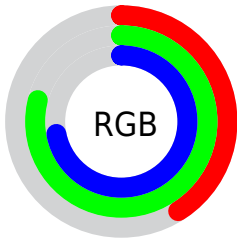
Format	Color
RYB	105, 158, 201
Decimal	6932920
CIELab	74.97, -32.51, -0.25
CIELCh	75, 32.514, 180.449
Yxy	48.2372, 0.2593, 0.3537
Android (android.graphics.Color)	4285123000 (0xFF69C9B8)
YUV	170.3580, 6.7255, -57.3190
Hunter-Lab	69.4530, -30.6568, 3.5615

Details

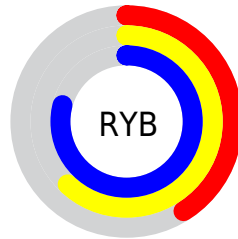
The Yxy color **48.2372, 0.2593, 0.3537** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.9315, 0.4191, 0.3071**, and the grayscale version is **40.3737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4927, 0.2684, 0.3457**, and **22.7544, 0.2443, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **47.0145, 0.2518, 0.3598**, and if you desaturate by 10%, it is **49.7551, 0.2684, 0.3478**.

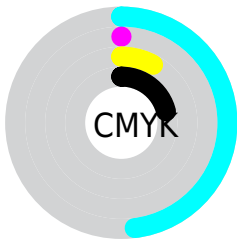
Distribution



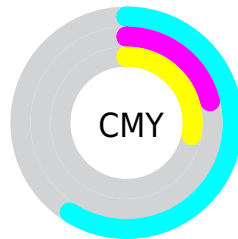
- Red (41%)
- Green (79%)
- Blue (72%)



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



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





- Cyan (59%)
- Magenta (21%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2372, 0.2593, 0.3537 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 48.2372, 0.2593, 0.3537 by changing the saturation by 10% instead.


 48.2372, 0.2593,
0.3537

 48.2372, 0.2593,
0.3537


379.7316, 0.2857,
0.3415


 34.0148, 0.2528,
0.3567


 87.5575, 0.2688,
0.3493


 22.9049, 0.2446,
0.3605


 113.4241, 0.2724,
0.3477

 14.5233, 0.2337,
0.3655


 143.9409, 0.2755,
0.3463

 8.4855, 0.2189,
0.3723

 179.4923, 0.2781,
0.3450

 4.4072, 0.1973,
0.3821

220.4627, 0.2804,
0.3440

 1.9038, 0.1633,
0.3976

267.2364, 0.2824,

 0.5507, 0.0000,

0.3431

0.4714

320.1979, 0.2841,
0.3423

0.0000, 0.0000,
0.0000

48.2372, 0.2593,
0.3537

48.2372, 0.2593,
0.3537

47.0145, 0.2518,
0.3598

49.7551, 0.2684,
0.3478

46.0607, 0.2462,
0.3661

51.5811, 0.2788,
0.3423

45.3544, 0.2425,
0.3725


53.7342, 0.2904,
0.3371

44.8682, 0.2407,
0.3789


56.2301, 0.3028,
0.3324


44.5626, 0.2407,
0.3852

59.0836, 0.3156,
0.3281

 44.5041, 0.2407,
0.3866

 62.3085, 0.3288,
0.3242

 65.9181, 0.3421,
0.3207

 67.8141, 0.3466,
0.3173

 67.9967, 0.3439,
0.3137

Harmonies

Analogous

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



48.2372, 0.2981, 0.3926



48.2372, 0.2593, 0.3537



48.2372, 0.2356, 0.3096

Triad

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



48.2372, 0.2593, 0.3537



48.2372, 0.2787, 0.2592



48.2372, 0.4012, 0.3743

Complementary

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



48.2372, 0.2593, 0.3537



23.9315, 0.4191, 0.3071

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.



48.2372, 0.3964, 0.3390



48.2372, 0.2593, 0.3537



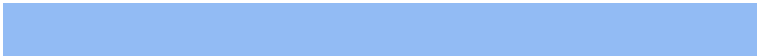
48.2372, 0.3227, 0.2755

Square

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



48.2372, 0.2593, 0.3537



48.2372, 0.2462, 0.2585



48.2372, 0.3668, 0.3039



48.2372, 0.3808, 0.4014

Rectangle

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



48.2372, 0.2593, 0.3537



48.2372, 0.2303, 0.2852



48.2372, 0.3668, 0.3039



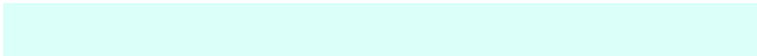
48.2372, 0.4026, 0.3630

Sweetspot

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



48.2391, 0.2593, 0.3537



93.4453, 0.2947, 0.3354



46.9782, 0.3177, 0.4731



19.8082, 0.2920, 0.3365



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.



48.2391, 0.2593, 0.3537



80.4815, 0.2518, 0.3599



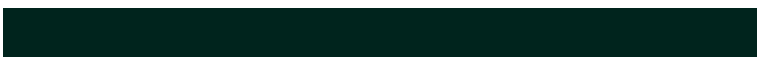
36.1999, 0.2417, 0.2835



12.0340, 0.3007, 0.3331



27.9935, 0.2405, 0.3857



1.3342, 0.2368, 0.3725

Inverse Universe

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



23.9315, 0.4191, 0.3071



34.0982, 0.4560, 0.3038



30.8822, 0.4224, 0.3689



10.6672, 0.3262, 0.3249



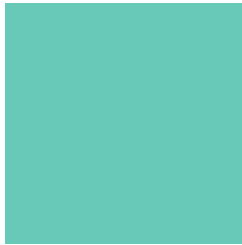
7.8962, 0.6113, 0.3141



0.3836, 0.5562, 0.2838

Previews

White Background



This preview shows how the Yxy color 48.2372, 0.2593, 0.3537 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 48.2372, 0.2593, 0.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

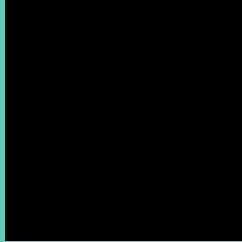
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

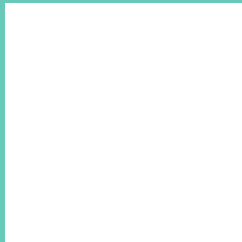
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2372, 0.2593, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 48.2372, 0.2593, 0.3537.

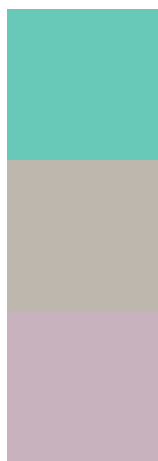


This preview shows how white text looks on a background with the Yxy color 48.2372, 0.2593, 0.3537.

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

48.2372, 0.2593, 0.3537

Protanopia

47.7418, 0.3251, 0.3406

Deuteranopia

47.6570, 0.3220, 0.3154



Tritanopia

48.3140, 0.2472, 0.3068

Trichromacy



Original Color

48.2372, 0.2593, 0.3537

Protanomaly

47.3104, 0.2960, 0.3454

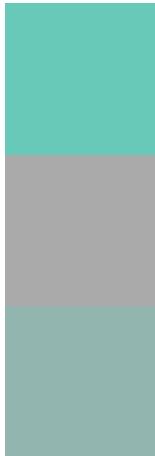
Deuteranomaly

46.7050, 0.2949, 0.3276

Tritanomaly

48.0319, 0.2517, 0.3232

Monochromacy



Original Color

48.2372, 0.2593, 0.3537

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 48.2372, 0.2593, 0.3537 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(105, 201, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 201, 184) }
```

Border

The CSS property to change the border of an element to Yxy 48.2372, 0.2593, 0.3537 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, 184) }
```

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

```
.border{ border-color:rgb(105, 201, 184) }
```

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, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 201, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 201, 184);  
box-shadow:4px 4px 4px 4px rgb(105, 201,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2372, 0.2593, 0.3537 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, 184) }
```

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

```
.background{ background-color: rgb(105,  
201, 184) }
```

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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