

Converting Colors

$Yxy(48.7912, 0.2517, 0.3419)$

Have a look what the booklet for
Yxy(48.7912, 0.2517, 0.3419)
contains.

Yxy(48.7440, 0.2517, 0.3418)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.7440, 0.2517, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	63CAC1
RGB	99, 202, 193
RGB Percent	39%, 79%, 76%
CMY	0.6116, 0.2078, 0.2431
CMYK	0.51, 0.00, 0.04, 0.21
HSL	175°, 49%, 59%
HSV	175°, 51%, 79%
XYZ	35.8949, 48.7440, 57.9708
YIQ	170.1770, -58.4990, -24.6350

Conversions

Conversions Part 2

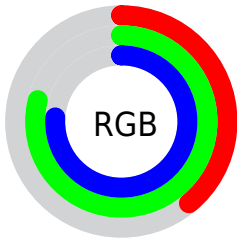
Format	Color
RYB	99, 153, 202
Decimal	6539969
CIELab	75.29, -32.09, -4.70
CIELCh	75, 32.430, 188.332
Yxy	48.7440, 0.2517, 0.3418
Android (android.graphics.Color)	4284730049 (0xFF63CAC1)
YUV	170.1770, 11.2517, -62.4222
Hunter-Lab	69.8169, -30.4076, -0.3582

Details

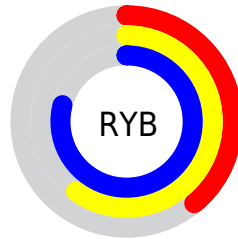
The Yxy color **48.7440, 0.2517, 0.3418** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.5708, 0.4441, 0.3179**, and the grayscale version is **40.2615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5277, 0.2619, 0.3355**, and **23.1010, 0.2349, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **47.6681, 0.2442, 0.3447**, and if you desaturate by 10%, it is **50.1091, 0.2610, 0.3390**.

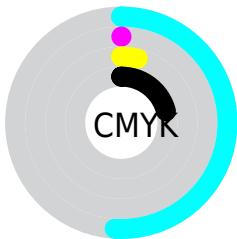
Distribution



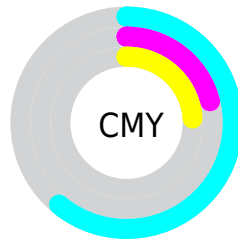
- Red (39%)
- Green (79%)
- Blue (76%)



- Red (39%)
- Yellow (60%)
- Blue (79%)



- Cyan (51%)
- Magenta (0%)
- Yellow (4%)
- Black (21%)




- Cyan (61%)
- Magenta (21%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7440, 0.2517, 0.3418 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 48.7440, 0.2517, 0.3418 by changing the saturation by 10% instead.


 48.7440, 0.2517,
0.3418


 48.7440, 0.2517,
0.3418


381.7336, 0.2816,
0.3359


 34.4164, 0.2445,
0.3431


 88.3111, 0.2624,
0.3398


 23.2137, 0.2353,
0.3447


 114.3195, 0.2664,
0.3390

 14.7514, 0.2234,
0.3466


 144.9902, 0.2699,
0.3383

 8.6451, 0.2072,
0.3490

 180.7078, 0.2729,
0.3377

 4.5104, 0.1842,
0.3518

221.8565, 0.2755,
0.3372

 1.9630, 0.1492,
0.3547

268.8208, 0.2777,

 0.5858, 0.0000,

0.3367

0.3774

321.9850, 0.2798,
0.3363

0.0000, 0.0000,
0.0000

48.7440, 0.2517,
0.3418

48.7440, 0.2517,
0.3418

47.6681, 0.2442,
0.3447

50.1091, 0.2610,
0.3390

46.8542, 0.2385,
0.3477

51.7773, 0.2719,
0.3363

46.2795, 0.2348,
0.3507

53.7680, 0.2841,
0.3337

45.9144, 0.2328,
0.3536

56.0976, 0.2973,
0.3314

45.7162, 0.2323,
0.3563

58.7813, 0.3113,
0.3292

■ 61.8335, 0.3258,
0.3272

■ 65.2676, 0.3405,
0.3255

■ 68.0115, 0.3506,
0.3239

■ 68.0984, 0.3493,
0.3221

Harmonies

Analogous

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



48.7440, 0.2870, 0.3836



48.7440, 0.2517, 0.3418



48.7440, 0.2329, 0.2994

Triad

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



48.7440, 0.2517, 0.3418



48.7440, 0.2897, 0.2624



48.7440, 0.3976, 0.3824

Complementary

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



48.7440, 0.2517, 0.3418



22.5708, 0.4441, 0.3179

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.



48.7440, 0.3997, 0.3485



48.7440, 0.2517, 0.3418



48.7440, 0.3348, 0.2823

Square

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



48.7440, 0.2517, 0.3418



48.7440, 0.2535, 0.2574



48.7440, 0.3762, 0.3128



48.7440, 0.3717, 0.4055

Rectangle

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



48.7440, 0.2517, 0.3418



48.7440, 0.2312, 0.2778



48.7440, 0.3762, 0.3128



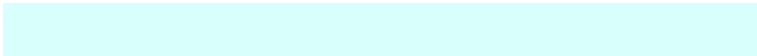
48.7440, 0.4012, 0.3718

Sweetspot

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



48.7459, 0.2517, 0.3418



93.2401, 0.2916, 0.3323



46.4147, 0.3117, 0.4868



19.7777, 0.2888, 0.3328



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.



48.7459, 0.2517, 0.3418



80.5736, 0.2436, 0.3450



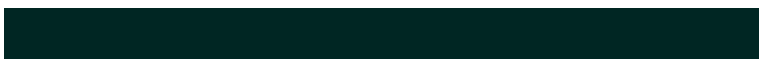
32.3441, 0.2348, 0.2662



12.7095, 0.2995, 0.3310



29.4248, 0.2322, 0.3559



1.5231, 0.2306, 0.3501

Inverse Universe

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



22.5708, 0.4441, 0.3179



31.4623, 0.4906, 0.3168



32.2793, 0.4266, 0.3822



11.2293, 0.3277, 0.3270



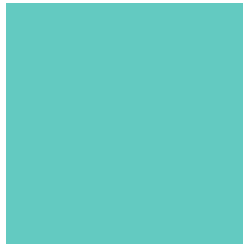
8.1130, 0.6293, 0.3240



0.4242, 0.5969, 0.3062

Previews

White Background



This preview shows how the Yxy color 48.7440, 0.2517, 0.3418 looks on a white background.

Color Contrast Check

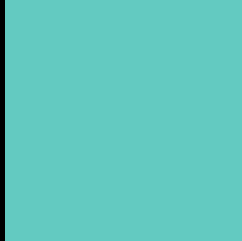
Large Text (above 18pt) WCAG AA × Fail

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 48.7440, 0.2517, 0.3418 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

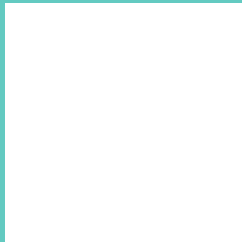
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7440, 0.2517, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 48.7440, 0.2517, 0.3418.

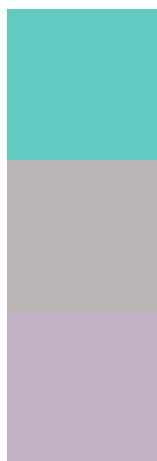


This preview shows how white text looks on a background with the Yxy color 48.7440, 0.2517, 0.3418.

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

48.7440, 0.2517, 0.3418

Protanopia

47.9357, 0.3178, 0.3303

Deuteranopia

48.0532, 0.3121, 0.3056



Tritanopia

48.8173, 0.2428, 0.3068

Trichromacy



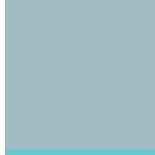
Original Color

48.7440, 0.2517, 0.3418



Protanomaly

47.4400, 0.2889, 0.3344



Deuteranomaly

47.1032, 0.2855, 0.3169



Tritanomaly

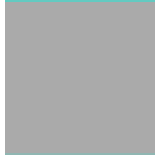
48.6971, 0.2457, 0.3190

Monochromacy



Original Color

48.7440, 0.2517, 0.3418



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.5995, 0.2849, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7440, 0.2517, 0.3418 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(99, 202, 193)` looks like.

```
.text, #text, p{  
    color:rgb(99, 202, 193)  
}
```

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(99, 202, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 202, 193) }
```

Border

The CSS property to change the border of an element to Yxy 48.7440, 0.2517, 0.3418 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(99, 202, 193) }
```

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

```
.border{ border-color:rgb(99, 202, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 202, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 202, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 202, 193);  
box-shadow:4px 4px 4px 4px rgb(99, 202,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7440, 0.2517, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 202, 193) }
```

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

```
.background{ background-color: rgb(99, 202,  
193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor