

Converting Colors

$Y_{xy}(48.0036, 0.2573, 0.3462)$

Have a look what the booklet for
Yxy(48.0036, 0.2573, 0.3462)
contains.

| | |
|---|----|
| Yxy(48.0036, 0.2573, 0.3462) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(48.0036, 0.2573, 0.3462)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6AC8BC |
| RGB | 106, 200, 188 |
| RGB Percent | 42%, 78%, 74% |
| CMY | 0.5843, 0.2157, 0.2626 |
| CMYK | 0.47, 0.00, 0.06, 0.22 |
| HSL | 172°, 46%, 60% |
| HSV | 172°, 47%, 78% |
| XYZ | 35.6769, 48.0036, 54.9781 |
| YIQ | 170.5260, -52.1720, -23.6600 |

Conversions

Conversions Part 2

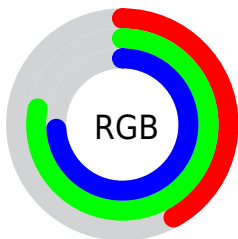
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 106, 156, 200 |
| Decimal | 6998204 |
| CIELab | 74.83, -30.82, -2.66 |
| CIElCh | 75, 30.933, 184.936 |
| Yxy | 48.0036, 0.2573, 0.3462 |
| Android (android.graphics.Color) | 4285188284 (0xFF6AC8BC) |
| YUV | 170.5260, 8.6147, -56.5893 |
| Hunter-Lab | 69.2846, -29.3328, 1.4520 |

Details

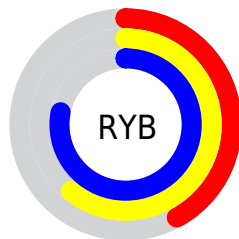
The Yxy color **48.0036, 0.2573, 0.3462** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.8937, 0.4232, 0.3137**, and the grayscale version is **40.4513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8382, 0.2670, 0.3411**, and **22.8879, 0.2421, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **46.8109, 0.2493, 0.3505**, and if you desaturate by 10%, it is **49.4877, 0.2669, 0.3421**.

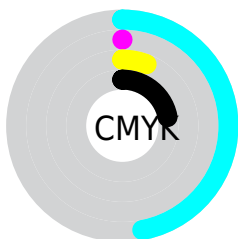
Distribution



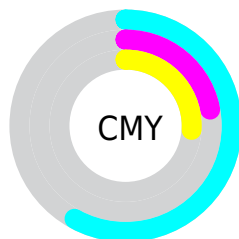
- Red (42%)
- Green (78%)
- Blue (74%)



- Red (42%)
- Yellow (61%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)





- Cyan (58%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0036, 0.2573, 0.3462 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 48.0036, 0.2573, 0.3462 by changing the saturation by 10% instead.


 48.0036, 0.2573,
0.3462


 48.0036, 0.2573,
0.3462


378.8064, 0.2846,
0.3379

 33.8297, 0.2506,
0.3482

 87.2098, 0.2671,
0.3433


 22.7628, 0.2422,
0.3506


 113.0109, 0.2708,
0.3422

 14.4185, 0.2310,
0.3537


 143.4565, 0.2740,
0.3412

 8.4123, 0.2159,
0.3579

 178.9310, 0.2767,
0.3404

 4.3599, 0.1939,
0.3636

219.8189, 0.2791,
0.3396

 1.8768, 0.1599,
0.3716

266.5045, 0.2811,

 0.5344, 0.0000,

0.3390

0.4103

319.3722, 0.2830,
0.3384

0.0000, 0.0000,
0.0000

48.0036, 0.2573,
0.3462

48.0036, 0.2573,
0.3462

46.8109, 0.2493,
0.3505

49.4877, 0.2669,
0.3421

45.8838, 0.2432,
0.3549

51.2758, 0.2780,
0.3382

45.2014, 0.2390,
0.3593

53.3865, 0.2902,
0.3345

44.7370, 0.2366,
0.3638


55.8353, 0.3032,
0.3312

44.4549, 0.2360,
0.3682

58.6367, 0.3168,
0.3281

 44.3863, 0.2360,
0.3695

 61.8043, 0.3308,
0.3254

 65.3510, 0.3448,
0.3229

 67.1437, 0.3500,
0.3205

 67.2704, 0.3480,
0.3179

Harmonies

Analogous

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



48.0036, 0.2927, 0.3849



48.0036, 0.2573, 0.3462



48.0036, 0.2371, 0.3050

Triad

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



48.0036, 0.2573, 0.3462



48.0036, 0.2861, 0.2636



48.0036, 0.3956, 0.3771

Complementary

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



48.0036, 0.2573, 0.3462



23.8937, 0.4232, 0.3137

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.



48.0036, 0.3947, 0.3440



48.0036, 0.2573, 0.3462



48.0036, 0.3290, 0.2813

Square

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



48.0036, 0.2573, 0.3462



48.0036, 0.2528, 0.2607



48.0036, 0.3697, 0.3099



48.0036, 0.3732, 0.4007

Rectangle

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



48.0036, 0.2573, 0.3462



48.0036, 0.2340, 0.2830



48.0036, 0.3697, 0.3099



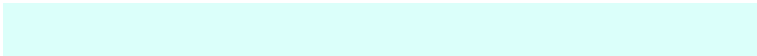
48.0036, 0.3981, 0.3667

Sweetspot

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



48.0055, 0.2573, 0.3462



93.5573, 0.2937, 0.3336



46.2387, 0.3144, 0.4720



19.8357, 0.2909, 0.3343



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.



48.0055, 0.2573, 0.3462



81.0814, 0.2495, 0.3504



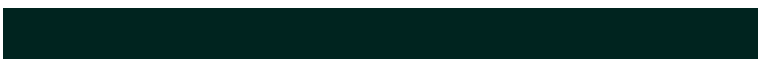
34.3368, 0.2414, 0.2770



12.0434, 0.3001, 0.3319



28.2310, 0.2358, 0.3689



1.3434, 0.2333, 0.3597

Inverse Universe

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



23.8937, 0.4232, 0.3137



34.5146, 0.4611, 0.3114



32.2121, 0.4169, 0.3744



10.6586, 0.3270, 0.3261



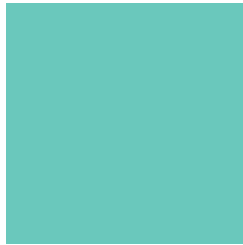
7.8610, 0.6223, 0.3202



0.3797, 0.5768, 0.2951

Previews

White Background



This preview shows how the Yxy color 48.0036, 0.2573, 0.3462 looks on a white background.

Color Contrast Check

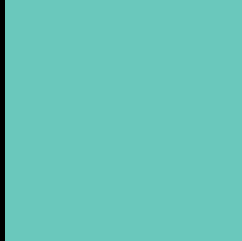
Large Text (above 18pt) WCAG AA × Fail

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 48.0036, 0.2573, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

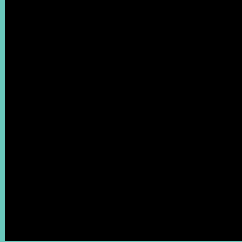
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

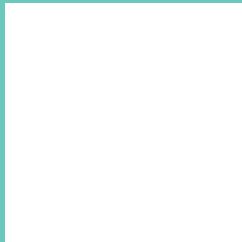
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0036, 0.2573, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 48.0036, 0.2573, 0.3462.

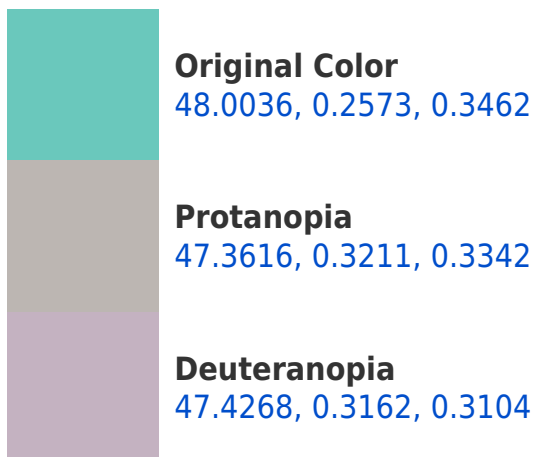


This preview shows how white text looks on a background with the Yxy color 48.0036, 0.2573, 0.3462.

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

47.7440, 0.2469, 0.3067

Trichromacy



Original Color

48.0036, 0.2573, 0.3462

Protanomaly

47.0417, 0.2932, 0.3385

Deuteranomaly

46.6659, 0.2905, 0.3222

Tritanomaly

47.5593, 0.2504, 0.3204

Monochromacy



Original Color

48.0036, 0.2573, 0.3462

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.8333, 0.2879, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0036, 0.2573, 0.3462 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(106, 200, 188)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 188)  
}
```

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(106, 200, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 188) }
```

Border

The CSS property to change the border of an element to Yxy 48.0036, 0.2573, 0.3462 is called "border". The border property can be set on classes, ids or directly on the HTML element.

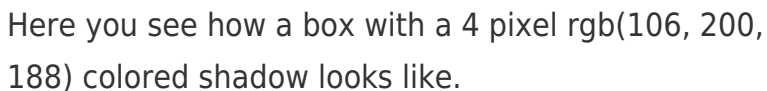
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 200, 188) }
```

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

```
.border{ border-color:rgb(106, 200, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 200, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 200, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 200, 188); box-shadow:4px 4px 4px 4px rgb(106, 200, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0036, 0.2573, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 188) }
```

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

```
.background{ background-color: rgb(106,  
200, 188) }
```

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