

Converting Colors

$Yxy(48.2802, 0.2613, 0.3643)$

Have a look what the booklet for
Yxy(48.2802, 0.2613, 0.3643)
contains.

Yxy(48.2802, 0.2613, 0.3643)	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(48.2802, 0.2613, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	66CAB2
RGB	102, 202, 178
RGB Percent	40%, 79%, 70%
CMY	0.6003, 0.2078, 0.3019
CMYK	0.50, 0.00, 0.12, 0.21
HSL	166°, 49%, 60%
HSV	166°, 50%, 79%
XYZ	34.6297, 48.2802, 49.6187
YIQ	169.3640, -51.8960, -28.6640

Conversions

Conversions Part 2

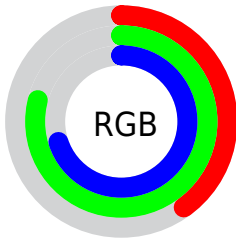
Format	Color
RYB	102, 159, 202
Decimal	6736562
CIELab	75.00, -35.13, 2.99
CIElCh	75, 35.260, 175.133
Yxy	48.2802, 0.2613, 0.3643
Android (android.graphics.Color)	4284926642 (0xFF66CAB2)
YUV	169.3640, 4.2575, -59.0782
Hunter-Lab	69.4840, -32.6352, 6.2996

Details

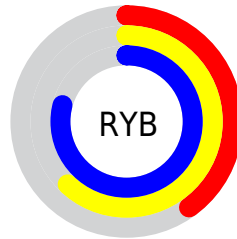
The Yxy color **48.2802, 0.2613, 0.3643** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.5498, 0.4163, 0.2983**, and the grayscale version is **39.8553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8314, 0.2699, 0.3527**, and **22.8195, 0.2472, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **47.0521, 0.2547, 0.3728**, and if you desaturate by 10%, it is **49.8065, 0.2696, 0.3561**.

Distribution



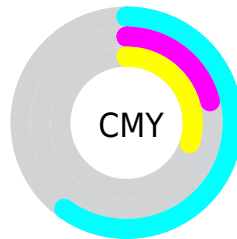
- Red (40%)
- Green (79%)
- Blue (70%)



- Red (40%)
- Yellow (62%)
- Blue (79%)



- Cyan (50%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)





- Cyan (60%)
- Magenta (21%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2802, 0.2613, 0.3643 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 48.2802, 0.2613, 0.3643 by changing the saturation by 10% instead.


 48.2802, 0.2613,
0.3643


 48.2802, 0.2613,
0.3643

379.9017, 0.2869,
0.3466


 34.0488, 0.2550,
0.3688


 87.6214, 0.2705,
0.3578


 22.9311, 0.2469,
0.3745


 113.5001, 0.2740,
0.3554

 14.5427, 0.2362,
0.3822


 144.0300, 0.2770,
0.3534

 8.4990, 0.2215,
0.3929

 179.5955, 0.2795,
0.3516

 4.4159, 0.1999,
0.4090

220.5811, 0.2817,
0.3501

 1.9088, 0.1646,
0.4360

267.3710, 0.2836,

 0.5537, 0.0000,

0.3488

0.5844

320.3498, 0.2853,
0.3476

0.0000, 0.0000,
0.0000

48.2802, 0.2613,
0.3643

48.2802, 0.2613,
0.3643

47.0521, 0.2547,
0.3728

49.8065, 0.2696,
0.3561

46.0950, 0.2499,
0.3816

51.6445, 0.2792,
0.3484

45.3867, 0.2470,
0.3905


53.8135, 0.2899,
0.3413


44.8984, 0.2461,
0.3994


56.3298, 0.3013,
0.3347

44.5792, 0.2468,
0.4083


59.2087, 0.3133,
0.3287

 44.5660, 0.2469,
0.4087

 62.4642, 0.3255,
0.3234

 66.1099, 0.3377,
0.3186

 68.5047, 0.3432,
0.3141

 68.7601, 0.3395,
0.3092

Harmonies

Analogous

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



48.2802, 0.3050, 0.4039



48.2802, 0.2613, 0.3643



48.2802, 0.2326, 0.3156

Triad

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



48.2802, 0.2613, 0.3643



48.2802, 0.2685, 0.2524



48.2802, 0.4098, 0.3710

Complementary

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



48.2802, 0.2613, 0.3643



23.5498, 0.4163, 0.2983

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.



48.2802, 0.3996, 0.3325



48.2802, 0.2613, 0.3643



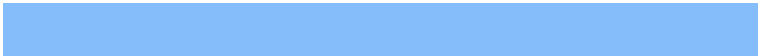
48.2802, 0.3145, 0.2673

Square

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



48.2802, 0.2613, 0.3643



48.2802, 0.2366, 0.2548



48.2802, 0.3635, 0.2957



48.2802, 0.3919, 0.4030

Rectangle

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



48.2802, 0.2613, 0.3643



48.2802, 0.2246, 0.2876



48.2802, 0.3635, 0.2957



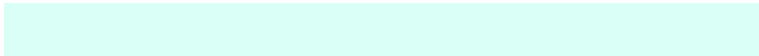
48.2802, 0.4097, 0.3584

Sweetspot

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



48.2821, 0.2613, 0.3643



92.8767, 0.2948, 0.3383



47.7126, 0.3225, 0.4770



19.6894, 0.2923, 0.3398



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.



48.2821, 0.2613, 0.3643



79.6065, 0.2545, 0.3731



38.5253, 0.2413, 0.2918



12.6793, 0.3015, 0.3346



28.6881, 0.2465, 0.4075



1.4914, 0.2417, 0.3902

Inverse Universe

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



23.5498, 0.4163, 0.2983



33.1837, 0.4516, 0.2937



28.6802, 0.4330, 0.3617



11.2570, 0.3253, 0.3235



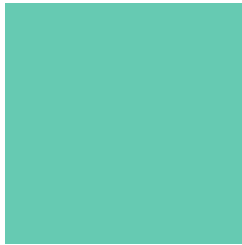
8.2315, 0.5943, 0.3047



0.4369, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 48.2802, 0.2613, 0.3643 looks on a white background.

Color Contrast Check

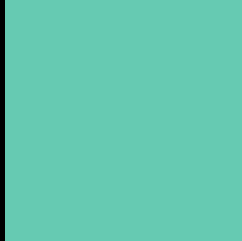
Large Text (above 18pt) WCAG AA × Fail

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 48.2802, 0.2613, 0.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

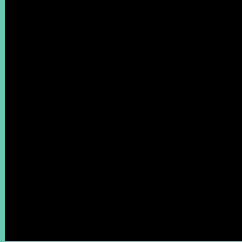
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

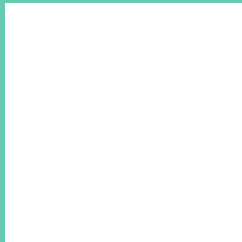
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2802, 0.2613, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 48.2802, 0.2613, 0.3643.

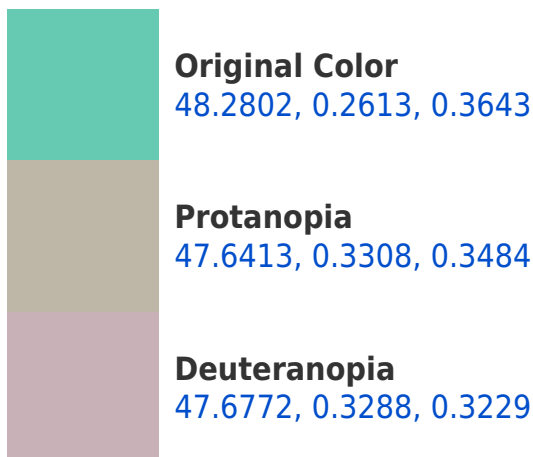


This preview shows how white text looks on a background with the Yxy color 48.2802, 0.2613, 0.3643.

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

48.1813, 0.2461, 0.3068

Trichromacy



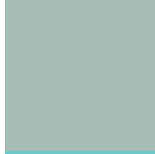
Original Color

48.2802, 0.2613, 0.3643



Protanomaly

47.0746, 0.3004, 0.3538



Deuteranomaly

46.8762, 0.2993, 0.3371



Tritanomaly

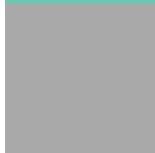
48.2051, 0.2515, 0.3274

Monochromacy



Original Color

48.2802, 0.2613, 0.3643



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.0460, 0.2899, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2802, 0.2613, 0.3643 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(102, 202, 178)` looks like.

```
.text, #text, p{  
    color:rgb(102, 202, 178)  
}
```

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(102, 202, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 202, 178) }
```

Border

The CSS property to change the border of an element to Yxy 48.2802, 0.2613, 0.3643 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(102, 202, 178) }
```

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

```
.border{ border-color:rgb(102, 202, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 202, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 202, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 202, 178);  
box-shadow:4px 4px 4px 4px rgb(102, 202,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2802, 0.2613, 0.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 202, 178) }
```

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

```
.background{ background-color: rgb(102,  
202, 178) }
```

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