

Converting Colors

$Y_{xy}(48.2704, 0.2565, 0.3822)$

Have a look what the booklet for
Yxy(48.2704, 0.2565, 0.3822)
contains.

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Color

Yxy(48.2704, 0.2565, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	50CDAA
RGB	80, 205, 170
RGB Percent	31%, 80%, 67%
CMY	0.6862, 0.1961, 0.3334
CMYK	0.61, 0.00, 0.17, 0.20
HSL	163°, 56%, 56%
HSV	163°, 61%, 80%
XYZ	32.3950, 48.2704, 45.6308
YIQ	163.6350, -63.2650, -37.3850

Conversions

Conversions Part 2

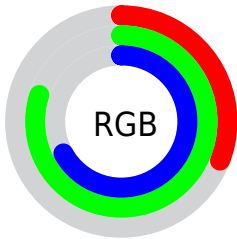
Format	Color
RYB	80, 153, 205
Decimal	5295530
CIELab	75.00, -42.96, 7.22
CIELCh	75, 43.562, 170.460
Yxy	48.2704, 0.2565, 0.3822
Android (android.graphics.Color)	4283485610 (0xFF50CDAA)
YUV	163.6350, 3.1379, -73.3479
Hunter-Lab	69.4769, -38.3554, 9.6935

Details

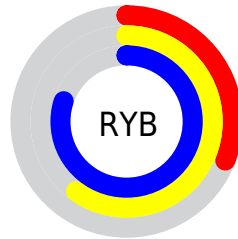
The Yxy color **48.2704, 0.2565, 0.3822** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **19.9588, 0.4478, 0.2870**, and the grayscale version is **36.9521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5317, 0.2654, 0.3641**, and **23.1207, 0.2438, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **47.2990, 0.2523, 0.3927**, and if you desaturate by 10%, it is **49.5272, 0.2626, 0.3720**.

Distribution



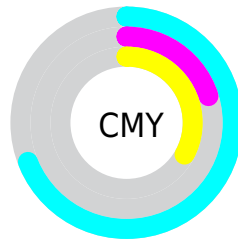
- Red (31%)
- Green (80%)
- Blue (67%)



- Red (31%)
- Yellow (60%)
- Blue (80%)



- Cyan (61%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)




- Cyan (69%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2704, 0.2565, 0.3822 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 48.2704, 0.2565, 0.3822 by changing the saturation by 10% instead.


 48.2704, 0.2565,
0.3822


 48.2704, 0.2565,
0.3822


379.8629, 0.2847,
0.3550


 34.0411, 0.2495,
0.3892


 87.6069, 0.2667,
0.3722


 22.9252, 0.2404,
0.3982

 113.4828, 0.2706,
0.3685

 14.5383, 0.2284,
0.4105

 144.0097, 0.2738,
0.3653

 8.4960, 0.2118,
0.4279

 179.5720, 0.2766,
0.3626

 4.4139, 0.1873,
0.4545

220.5541, 0.2791,
0.3603

 1.9077, 0.1400,
0.5046

267.3403, 0.2812,

 0.5530, 0.0000,

0.3583

0.8503

320.3151, 0.2830,
0.3566

0.0000, 0.0000,
0.0000

48.2704, 0.2565,
0.3822

48.2704, 0.2565,
0.3822

47.2990, 0.2523,
0.3927

49.5272, 0.2626,
0.3720

46.5817, 0.2501,
0.4033

51.0864, 0.2702,
0.3623

46.0896, 0.2498,
0.4138

52.9700, 0.2793,
0.3531

45.7885, 0.2509,
0.4233

55.1965, 0.2894,
0.3446

57.7829, 0.3003,
0.3367

■ 60.7452, 0.3116,
0.3296

■ 64.0983, 0.3232,
0.3233

■ 67.8563, 0.3348,
0.3176

■ 70.1811, 0.3390,
0.3122

Harmonies

Analogous

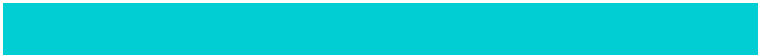
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.2704, 0.3113, 0.4284



48.2704, 0.2565, 0.3822



48.2704, 0.2190, 0.3204

Triad

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



48.2704, 0.2565, 0.3822



48.2704, 0.2510, 0.2356



48.2704, 0.4329, 0.3710

Complementary

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



48.2704, 0.2565, 0.3822



19.9588, 0.4478, 0.2870

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.



48.2704, 0.4152, 0.3246



48.2704, 0.2565, 0.3822



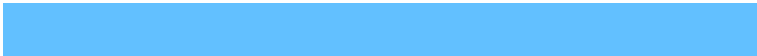
48.2704, 0.3048, 0.2506

Square

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



48.2704, 0.2565, 0.3822



48.2704, 0.2166, 0.2410



48.2704, 0.3663, 0.2821



48.2704, 0.4147, 0.4131

Rectangle

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



48.2704, 0.2565, 0.3822



48.2704, 0.2072, 0.2842



48.2704, 0.3663, 0.2821



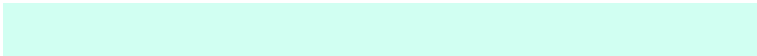
48.2704, 0.4311, 0.3556

Sweetspot

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



48.2723, 0.2565, 0.3822



91.5090, 0.2923, 0.3423



47.9180, 0.3250, 0.5121



19.3336, 0.2892, 0.3447



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.



48.2723, 0.2565, 0.3822



77.0839, 0.2514, 0.3958



37.9249, 0.2297, 0.2881



12.6713, 0.3020, 0.3356



28.5209, 0.2505, 0.4218



1.4839, 0.2448, 0.4013

Inverse Universe

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



19.9588, 0.4478, 0.2870



26.8785, 0.4953, 0.2844



24.0955, 0.4792, 0.3620



11.2645, 0.3247, 0.3225



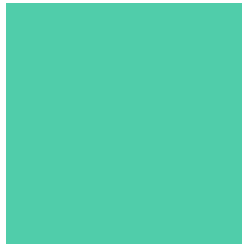
8.2808, 0.5812, 0.2975



0.4404, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 48.2704, 0.2565, 0.3822 looks on a white background.

Color Contrast Check

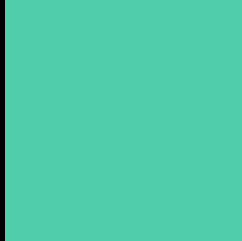
Large Text (above 18pt) WCAG AA × Fail

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 48.2704, 0.2565, 0.3822 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

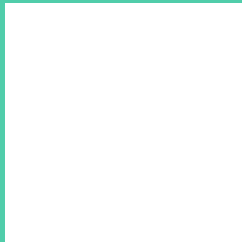
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2704, 0.2565, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 48.2704, 0.2565, 0.3822.

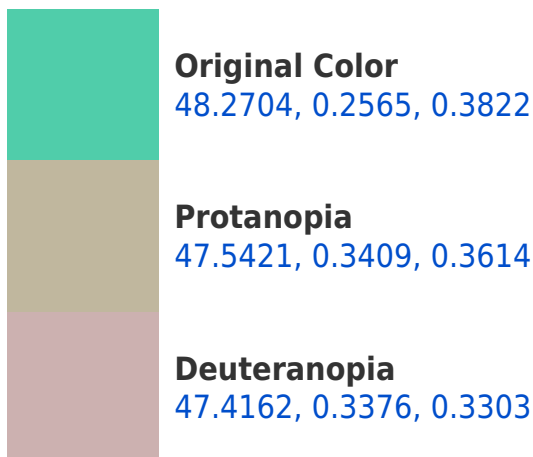


This preview shows how white text looks on a background with the Yxy color 48.2704, 0.2565, 0.3822.

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

48.2945, 0.2388, 0.3065

Trichromacy



Original Color

48.2704, 0.2565, 0.3822



Protanomaly

46.4495, 0.3021, 0.3701



Deuteranomaly

45.9676, 0.2997, 0.3469



Tritanomaly

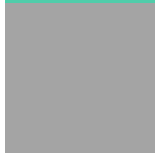
48.1210, 0.2448, 0.3317

Monochromacy



Original Color

48.2704, 0.2565, 0.3822



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.9799, 0.2848, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2704, 0.2565, 0.3822 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(80, 205, 170)` looks like.

```
.text, #text, p{  
    color:rgb(80, 205, 170)  
}
```

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(80, 205, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 205, 170) }
```

Border

The CSS property to change the border of an element to Yxy 48.2704, 0.2565, 0.3822 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(80, 205, 170) }
```

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

```
.border{ border-color:rgb(80, 205, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 205, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 205, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 205, 170);  
box-shadow:4px 4px 4px 4px rgb(80, 205,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2704, 0.2565, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 205, 170) }
```

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

```
.background{ background-color: rgb(80, 205,  
170) }
```

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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