

Converting Colors

$Y_{xy}(47.7809, 0.2515, 0.3385)$

Have a look what the booklet for
Yxy(47.7809, 0.2515, 0.3385)
contains.

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Color

Yxy(47.8681, 0.2516, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	64C8C1
RGB	100, 200, 193
RGB Percent	39%, 78%, 76%
CMY	0.6082, 0.2156, 0.2432
CMYK	0.50, 0.00, 0.04, 0.22
HSL	176°, 48%, 59%
HSV	176°, 50%, 78%
XYZ	35.5269, 47.8681, 57.8088
YIQ	169.3020, -57.3530, -23.3770

Conversions

Conversions Part 2

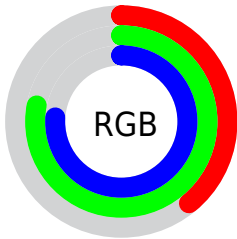
Format	Color
RYB	100, 152, 200
Decimal	6604993
CIELab	74.74, -30.96, -5.50
CIELCh	75, 31.440, 190.068
Yxy	47.8681, 0.2516, 0.3390
Android (android.graphics.Color)	4284795073 (0xFF64C8C1)
YUV	169.3020, 11.6831, -60.7779
Hunter-Lab	69.1868, -29.4185, -1.1089

Details

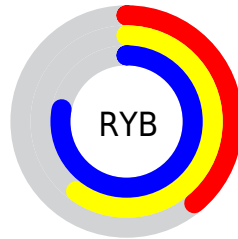
The Yxy color **47.8681, 0.2516, 0.3390** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.4408, 0.4428, 0.3203**, and the grayscale version is **39.7865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6287, 0.2624, 0.3355**, and **22.8263, 0.2351, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **46.8047, 0.2438, 0.3413**, and if you desaturate by 10%, it is **49.2157, 0.2612, 0.3368**.

Distribution



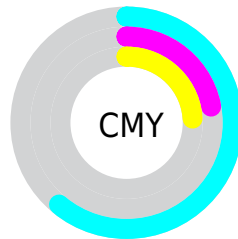
- Red (39%)
- Green (78%)
- Blue (76%)



- Red (39%)
- Yellow (60%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)




- Cyan (61%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8681, 0.2516, 0.3390 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 47.8681, 0.2516, 0.3390 by changing the saturation by 10% instead.


 47.8681, 0.2516,
0.3390


 47.8681, 0.2516,
0.3390

378.2691, 0.2816,
0.3346


 33.7224, 0.2443,
0.3399


 87.0080, 0.2623,
0.3375


 22.6805, 0.2351,
0.3410


 112.7710, 0.2664,
0.3369

 14.3577, 0.2231,
0.3423


 143.1753, 0.2699,
0.3364

 8.3699, 0.2067,
0.3438

 178.6052, 0.2729,
0.3359

 4.3325, 0.1834,
0.3453

219.4451, 0.2755,
0.3355

 1.8613, 0.1478,
0.3459

266.0795, 0.2777,

 0.5249, 0.0000,

0.3352

318.8927, 0.2798,
0.3348

0.3545

0.0000, 0.0000,
0.0000

47.8681, 0.2516,
0.3390

47.8681, 0.2516,
0.3390

46.8047, 0.2438,
0.3413

49.2157, 0.2612,
0.3368

45.9991, 0.2378,
0.3437

50.8606, 0.2724,
0.3346

45.4292, 0.2338,
0.3460

52.8218, 0.2849,
0.3326

45.0670, 0.2316,
0.3484

55.1152, 0.2984,
0.3307

44.8594, 0.2308,
0.3507

57.7556, 0.3127,
0.3290

■ 60.7568, 0.3274,
0.3275

■ 64.1319, 0.3423,
0.3261

■ 66.9461, 0.3533,
0.3248

■ 67.0140, 0.3522,
0.3233

Harmonies

Analogous

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



47.8681, 0.2854, 0.3801



47.8681, 0.2516, 0.3390



47.8681, 0.2342, 0.2981

Triad

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



47.8681, 0.2516, 0.3390



47.8681, 0.2927, 0.2647



47.8681, 0.3947, 0.3829

Complementary

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



47.8681, 0.2516, 0.3390



22.4408, 0.4428, 0.3203

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.



47.8681, 0.3981, 0.3502



47.8681, 0.2516, 0.3390



47.8681, 0.3368, 0.2848

Square

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



47.8681, 0.2516, 0.3390



47.8681, 0.2566, 0.2589



47.8681, 0.3765, 0.3152



47.8681, 0.3684, 0.4044

Rectangle

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



47.8681, 0.2516, 0.3390



47.8681, 0.2333, 0.2775



47.8681, 0.3765, 0.3152



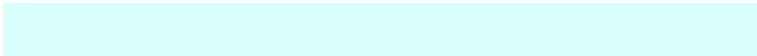
47.8681, 0.3987, 0.3728

Sweetspot

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



47.8700, 0.2516, 0.3390



93.2816, 0.2913, 0.3317



45.4387, 0.3107, 0.4840



19.7878, 0.2884, 0.3321



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.



47.8700, 0.2516, 0.3390



80.8918, 0.2432, 0.3415



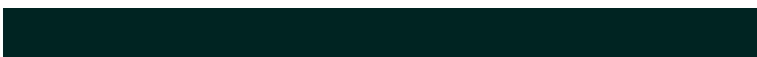
31.4347, 0.2356, 0.2650



12.0542, 0.2993, 0.3306



28.5238, 0.2307, 0.3504



1.3546, 0.2293, 0.3455

Inverse Universe

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



22.4408, 0.4428, 0.3203



31.9493, 0.4894, 0.3194



32.4349, 0.4225, 0.3835



10.6488, 0.3279, 0.3274



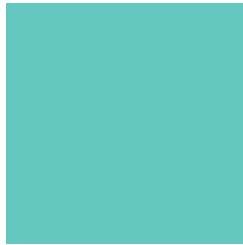
7.8329, 0.6315, 0.3253



0.3752, 0.6030, 0.3096

Previews

White Background



This preview shows how the Yxy color 47.8681, 0.2516, 0.3390 looks on a white background.

Color Contrast Check

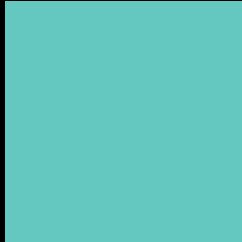
Large Text (above 18pt) WCAG AA × Fail

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 47.8681, 0.2516, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

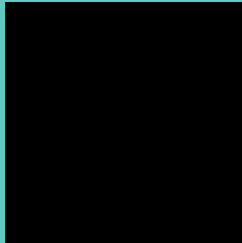
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

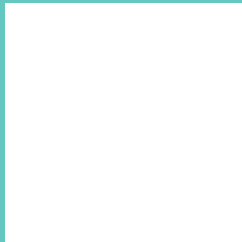
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8681, 0.2516, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 47.8681, 0.2516, 0.3390.

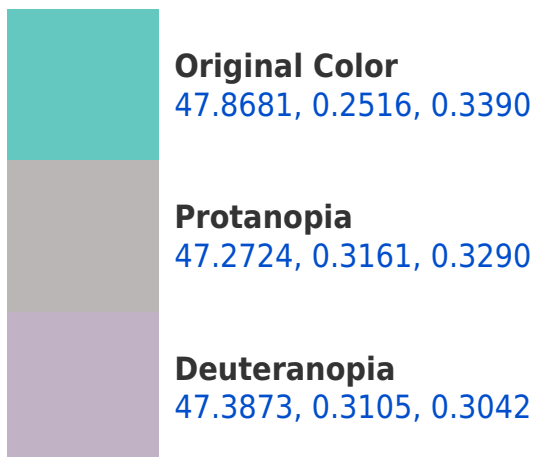


This preview shows how white text looks on a background with the Yxy color 47.8681, 0.2516, 0.3390.

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

47.8624, 0.2437, 0.3066

Trichromacy



Original Color

47.8681, 0.2516, 0.3390

Protanomaly

46.9089, 0.2881, 0.3330

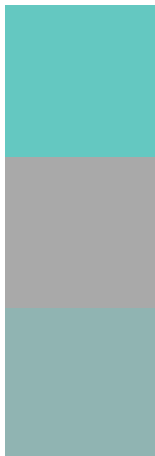
Deuteranomaly

46.5769, 0.2847, 0.3156

Tritanomaly

47.7875, 0.2461, 0.3175

Monochromacy



Original Color

47.8681, 0.2516, 0.3390

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.7862, 0.2847, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8681, 0.2516, 0.3390 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(100, 200, 193)` looks like.

```
.text, #text, p{  
    color:rgb(100, 200, 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(100, 200, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 200, 193) }
```

Border

The CSS property to change the border of an element to Yxy 47.8681, 0.2516, 0.3390 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(100, 200, 193) }
```

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

```
.border{ border-color:rgb(100, 200, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 200, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 200, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 200, 193);  
box-shadow:4px 4px 4px 4px rgb(100, 200,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8681, 0.2516, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 200, 193) }
```

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

```
.background{ background-color: rgb(100,  
200, 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](#).

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