

Converting Colors

$Y_{xy}(47.2490, 0.2539, 0.3771)$

Have a look what the booklet for
Yxy(47.2490, 0.2539, 0.3771)
contains.

Yxy(47.2682, 0.2537, 0.3763)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2682, 0.2537, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	4DCBAC
RGB	77, 203, 172
RGB Percent	30%, 80%, 67%
CMY	0.6977, 0.2039, 0.3255
CMYK	0.62, 0.00, 0.15, 0.20
HSL	165°, 55%, 55%
HSV	165°, 62%, 80%
XYZ	31.8680, 47.2682, 46.4768
YIQ	161.7920, -65.1450, -36.3530

Conversions

Conversions Part 2

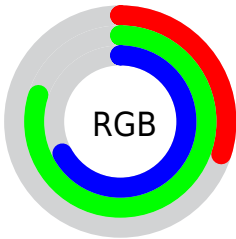
Format	Color
RYB	77, 149, 203
Decimal	5098412
CIELab	74.36, -42.13, 5.21
CIELCh	74, 42.451, 172.954
Yxy	47.2682, 0.2537, 0.3763
Android (android.graphics.Color)	4283288492 (0xFF4DCBAC)
YUV	161.7920, 5.0325, -74.3626
Hunter-Lab	68.7519, -37.5770, 8.0458

Details

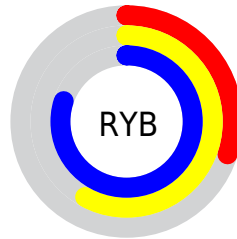
The Yxy color **47.2682, 0.2537, 0.3763** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.0995, 0.4586, 0.2920**, and the grayscale version is **36.0388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4693, 0.2636, 0.3617**, and **22.5359, 0.2415, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **46.3639, 0.2494, 0.3854**, and if you desaturate by 10%, it is **48.4469, 0.2599, 0.3674**.

Distribution



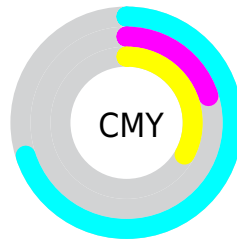
- Red (30%)
- Green (80%)
- Blue (67%)



- Red (30%)
- Yellow (58%)
- Blue (80%)



- Cyan (62%)
- Magenta (0%)
- Yellow (15%)
- Black (20%)





- Cyan (70%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2682, 0.2537, 0.3763 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 47.2682, 0.2537, 0.3763 by changing the saturation by 10% instead.


 47.2682, 0.2537,
0.3763

 47.2682, 0.2537,
0.3763


375.8841, 0.2832,
0.3522

 33.2477, 0.2463,
0.3824


 86.1138, 0.2644,
0.3674


 22.3163, 0.2369,
0.3904


 111.7078, 0.2685,
0.3642

 14.0895, 0.2244,
0.4011


 141.9283, 0.2719,
0.3614

 8.1829, 0.2071,
0.4163

 177.1599, 0.2748,
0.3590

 4.2122, 0.1818,
0.4394

217.7868, 0.2773,
0.3570

 1.7930, 0.1304,
0.4844

264.1936, 0.2795,

 0.4828, 0.0000,

0.3552

0.7492

316.7645, 0.2815,
0.3536

0.0000, 0.0000,
0.0000

47.2682, 0.2537,
0.3763

47.2682, 0.2537,
0.3763

46.3639, 0.2494,
0.3854

48.4469, 0.2599,
0.3674

45.7030, 0.2471,
0.3946

49.9167, 0.2677,
0.3589

45.2568, 0.2467,
0.4037

51.6993, 0.2769,
0.3509

45.0111, 0.2475,
0.4109

53.8130, 0.2873,
0.3434

56.2744, 0.2985,
0.3365

■ 59.0992, 0.3103,
0.3302

■ 62.3019, 0.3224,
0.3245

■ 65.8965, 0.3345,
0.3195

■ 68.9782, 0.3429,
0.3149

Harmonies

Analogous

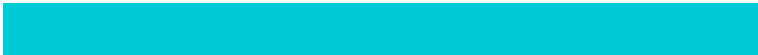
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.2682, 0.3066, 0.4239



47.2682, 0.2537, 0.3763



47.2682, 0.2186, 0.3158

Triad

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



47.2682, 0.2537, 0.3763



47.2682, 0.2559, 0.2376



47.2682, 0.4305, 0.3743

Complementary

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



47.2682, 0.2537, 0.3763



19.0995, 0.4586, 0.2920

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.



47.2682, 0.4161, 0.3286



47.2682, 0.2537, 0.3763



47.2682, 0.3099, 0.2539

Square

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



47.2682, 0.2537, 0.3763



47.2682, 0.2202, 0.2412



47.2682, 0.3701, 0.2861



47.2682, 0.4101, 0.4146

Rectangle

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



47.2682, 0.2537, 0.3763



47.2682, 0.2083, 0.2812



47.2682, 0.3701, 0.2861



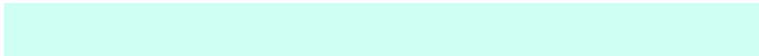
47.2682, 0.4297, 0.3591

Sweetspot

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



47.2701, 0.2537, 0.3763



91.1963, 0.2903, 0.3414



46.4704, 0.3220, 0.5169



19.2776, 0.2872, 0.3435



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.



47.2701, 0.2537, 0.3763



77.2704, 0.2485, 0.3881



35.2146, 0.2271, 0.2806



12.6780, 0.3016, 0.3348



28.6612, 0.2471, 0.4097



1.4902, 0.2422, 0.3919

Inverse Universe

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



19.0995, 0.4586, 0.2920



26.3780, 0.5088, 0.2907



24.0768, 0.4793, 0.3676



11.2582, 0.3252, 0.3233



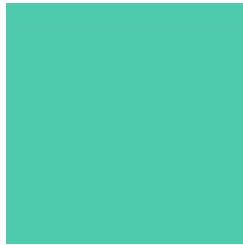
8.2386, 0.5923, 0.3037



0.4375, 0.5352, 0.2722

Previews

White Background



This preview shows how the Yxy color 47.2682, 0.2537, 0.3763 looks on a white background.

Color Contrast Check

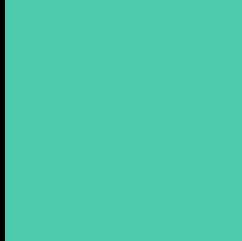
Large Text (above 18pt) WCAG AA × Fail

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 47.2682, 0.2537, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

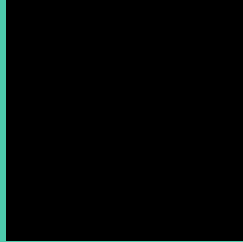
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

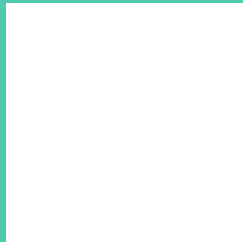
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2682, 0.2537, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 47.2682, 0.2537, 0.3763.

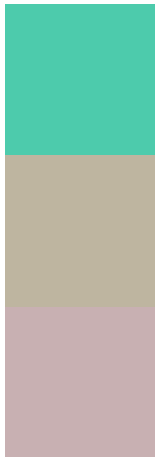


This preview shows how white text looks on a background with the Yxy color 47.2682, 0.2537, 0.3763.

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

47.2682, 0.2537, 0.3763

Protanopia

46.5330, 0.3378, 0.3564

Deuteranopia

46.5444, 0.3324, 0.3266



Tritanopia

47.0638, 0.2375, 0.3063

Trichromacy



Original Color

47.2682, 0.2537, 0.3763



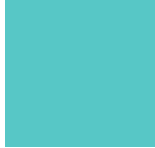
Protanomaly

45.4651, 0.2991, 0.3646



Deuteranomaly

45.2210, 0.2951, 0.3429



Tritanomaly

46.9503, 0.2430, 0.3303

Monochromacy



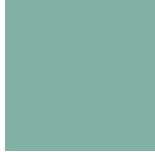
Original Color

47.2682, 0.2537, 0.3763



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.0227, 0.2831, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2682, 0.2537, 0.3763 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(77, 203, 172)` looks like.

```
.text, #text, p{  
    color:rgb(77, 203, 172)  
}
```

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(77, 203, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 203, 172) }
```

Border

The CSS property to change the border of an element to Yxy 47.2682, 0.2537, 0.3763 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(77, 203, 172) }
```

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

```
.border{ border-color:rgb(77, 203, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 203, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 203, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 203, 172);  
box-shadow:4px 4px 4px 4px rgb(77, 203,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2682, 0.2537, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 203, 172) }
```

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

```
.background{ background-color: rgb(77, 203,  
172) }
```

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