

Converting Colors

$Y_{xy}(47.8264, 0.2357, 0.3528)$

Have a look what the booklet for
Yxy(47.8264, 0.2357, 0.3528)
contains.

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Color

Yxy(47.8082, 0.2358, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	29CDBD
RGB	41, 205, 189
RGB Percent	16%, 80%, 74%
CMY	0.8386, 0.1961, 0.2588
CMYK	0.80, 0.00, 0.08, 0.20
HSL	174°, 67%, 48%
HSV	174°, 80%, 80%
XYZ	31.9353, 47.8082, 55.6905
YIQ	154.1400, -92.6080, -39.7440

Conversions

Conversions Part 2

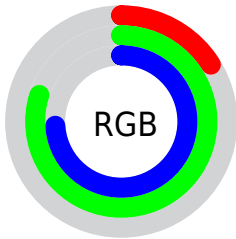
Format	Color
RYB	41, 127, 205
Decimal	2739645
CIELab	74.70, -43.36, -3.56
CIELCh	75, 43.509, 184.692
Yxy	47.8082, 0.2358, 0.3530
Android (android.graphics.Color)	4280929725 (0xFF29CDBD)
YUV	154.1400, 17.1860, -99.2238
Hunter-Lab	69.1435, -38.5572, 0.6463

Details

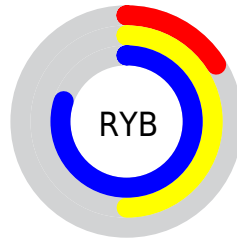
The Yxy color **47.8082, 0.2358, 0.3530** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **14.8716, 0.5692, 0.3168**, and the grayscale version is **32.3526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8945, 0.2477, 0.3405**, and **23.5903, 0.2327, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **47.4049, 0.2338, 0.3563**, and if you desaturate by 10%, it is **48.4358, 0.2397, 0.3496**.

Distribution



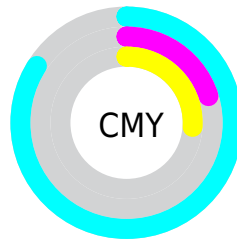
- Red (16%)
- Green (80%)
- Blue (74%)



- Red (16%)
- Yellow (50%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)





- Cyan (84%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8082, 0.2358, 0.3530 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 47.8082, 0.2358, 0.3530 by changing the saturation by 10% instead.

 47.8082, 0.2358,
0.3530

 47.8082, 0.2358,
0.3530


378.0314, 0.2735,
0.3417

 33.6750, 0.2267,
0.3556


 86.9188, 0.2493,
0.3490


 22.6441, 0.2152,
0.3588


 112.6649, 0.2544,
0.3475


 14.3309, 0.2003,
0.3629


 143.0509, 0.2588,
0.3462

 8.3512, 0.1802,
0.3681

 178.4611, 0.2625,
0.3450

 4.3205, 0.1520,
0.3747

 219.2798, 0.2658,
0.3440

 1.8544, 0.1018,
0.3865

265.8915, 0.2686,

 0.5207, 0.0000,

0.3431

0.3896

318.6805, 0.2712,
0.3424

■ 0.0000, 0.0000,
0.0000

■ 47.8082, 0.2358,
0.3530

■ 47.8082, 0.2358,
0.3530

■ 47.4049, 0.2338,
0.3563

■ 48.4358, 0.2397,
0.3496

■ 47.1651, 0.2332,
0.3596

■ 49.3122, 0.2454,
0.3463

■ 47.1635, 0.2332,
0.3597

■ 50.4644, 0.2531,
0.3430

■ 51.9146, 0.2625,
0.3399

■ 53.6826, 0.2735,
0.3369

■ 55.7867, 0.2857,
0.3340

■ 58.2437, 0.2989,
0.3314

■ 61.0693, 0.3128,
0.3290

■ 64.2782, 0.3272,
0.3268

Harmonies

Analogous

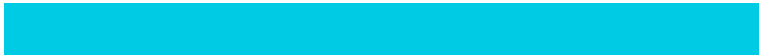
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.8082, 0.2838, 0.4105



47.8082, 0.2358, 0.3530



47.8082, 0.2093, 0.2937

Triad

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



47.8082, 0.2358, 0.3530



47.8082, 0.2745, 0.2402



47.8082, 0.4286, 0.3923

Complementary

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



47.8082, 0.2358, 0.3530



14.8716, 0.5692, 0.3168

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.



47.8082, 0.4284, 0.3466



47.8082, 0.2358, 0.3530



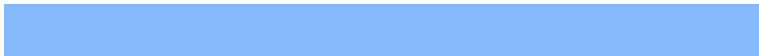
47.8082, 0.3341, 0.2637

Square

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



47.8082, 0.2358, 0.3530



47.8082, 0.2300, 0.2355



47.8082, 0.3926, 0.3013



47.8082, 0.3959, 0.4281

Rectangle

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



47.8082, 0.2358, 0.3530



47.8082, 0.2054, 0.2638



47.8082, 0.3926, 0.3013



47.8082, 0.4326, 0.3775

Sweetspot

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



47.8100, 0.2358, 0.3530



89.8041, 0.2802, 0.3352



44.7080, 0.3065, 0.5722



18.9608, 0.2758, 0.3363



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.



47.8100, 0.2358, 0.3530



77.3613, 0.2334, 0.3587



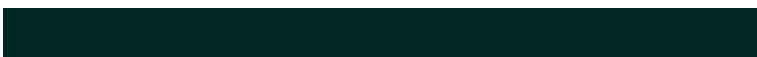
23.4800, 0.2006, 0.2217



12.7074, 0.2996, 0.3313



29.3699, 0.2331, 0.3592



1.5208, 0.2313, 0.3527

Inverse Universe

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



14.8716, 0.5692, 0.3168



21.5975, 0.6240, 0.3236



23.5901, 0.5183, 0.3969



11.2312, 0.3275, 0.3268



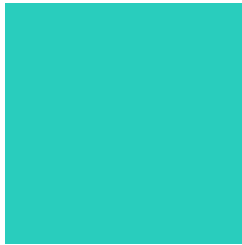
8.1179, 0.6277, 0.3232



0.4250, 0.5923, 0.3037

Previews

White Background



This preview shows how the Yxy color 47.8082, 0.2358, 0.3530 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 47.8082, 0.2358, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

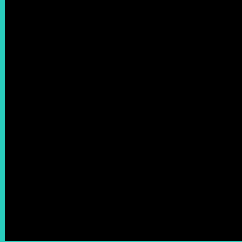
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

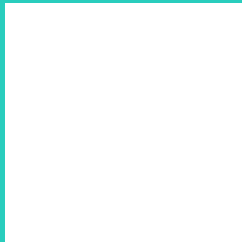
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8082, 0.2358, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 47.8082, 0.2358, 0.3530.

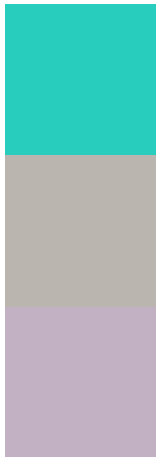


This preview shows how white text looks on a background with the Yxy color 47.8082, 0.2358, 0.3530.

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

47.8082, 0.2358, 0.3530

Protanopia

46.7471, 0.3219, 0.3355

Deuteranopia

46.8537, 0.3129, 0.3066



Tritanopia

47.8072, 0.2266, 0.3060

Trichromacy



Original Color

47.8082, 0.2358, 0.3530



Protanomaly

45.2314, 0.2765, 0.3418



Deuteranomaly

44.7942, 0.2710, 0.3205



Tritanomaly

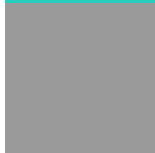
47.5303, 0.2293, 0.3215

Monochromacy



Original Color

47.8082, 0.2358, 0.3530



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.1879, 0.2686, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8082, 0.2358, 0.3530 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(41, 205, 189)` looks like.

```
.text, #text, p{  
    color:rgb(41, 205, 189)  
}
```

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(41, 205, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 205, 189) }
```

Border

The CSS property to change the border of an element to Yxy 47.8082, 0.2358, 0.3530 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(41, 205, 189) }
```

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

```
.border{ border-color:rgb(41, 205, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 205, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 205, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 205, 189);  
box-shadow:4px 4px 4px 4px rgb(41, 205,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8082, 0.2358, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 205, 189) }
```

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

```
.background{ background-color: rgb(41, 205,  
189) }
```

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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