

Converting Colors

$Y_{xy}(47.5758, 0.2247, 0.3288)$

Have a look what the booklet for
Yxy(47.5758, 0.2247, 0.3288)
contains.

Yxy(47.5518, 0.2247, 0.3287)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.5518, 0.2247, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	01CCCC
RGB	1, 204, 204
RGB Percent	0%, 80%, 80%
CMY	0.9961, 0.2000, 0.1999
CMYK	1.00, 0.00, 0.00, 0.20
HSL	180°, 99%, 40%
HSV	180°, 100%, 80%
XYZ	32.5065, 47.5518, 64.6080
YIQ	143.3030, -120.9880, -43.0360

Conversions

Conversions Part 2

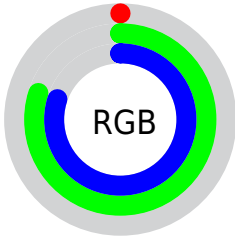
Format	Color
RYB	1, 103, 204
Decimal	117964
CIELab	74.54, -40.60, -11.96
CIELCh	75, 42.327, 196.409
Yxy	47.5518, 0.2247, 0.3287
Android (android.graphics.Color)	4278308044 (0xFF01CCCC)
YUV	143.3030, 29.9236, -124.7997
Hunter-Lab	68.9578, -36.5318, -7.2795

Details

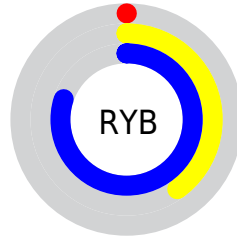
The Yxy color **47.5518, 0.2247, 0.3287** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.8657, 0.6393, 0.3300**, and the grayscale version is **27.5116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **23.6969, 0.2241, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **47.5470, 0.2246, 0.3287**, and if you desaturate by 10%, it is **47.7122, 0.2261, 0.3287**.

Distribution



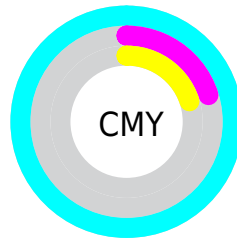
- Red (0%)
- Green (80%)
- Blue (80%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5518, 0.2247, 0.3287 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 47.5518, 0.2247, 0.3287 by changing the saturation by 10% instead.


 47.5518, 0.2247,
0.3287


 47.5518, 0.2247,
0.3287


377.0128, 0.2672,
0.3302

 33.4721, 0.2146,
0.3279


 86.5367, 0.2398,
0.3295

 22.4883, 0.2020,
0.3267


 112.2107, 0.2455,
0.3298


 14.2162, 0.1858,
0.3247


 142.5182, 0.2505,
0.3299

 8.2712, 0.1644,
0.3212

 177.8437, 0.2547,
0.3300

 4.2689, 0.1353,
0.3146

 218.5715, 0.2585,
0.3301

 1.8251, 0.0893,
0.3024

265.0860, 0.2617,

 0.5028, 0.0000,

0.3302

0.2579

317.7716, 0.2646,
0.3302

■ 0.0000, 0.0000,
0.0000

■ 47.5518, 0.2247,
0.3287

■ 47.5518, 0.2247,
0.3287

■ 47.5470, 0.2246,
0.3287

■ 47.7122, 0.2261,
0.3287

■ 48.0378, 0.2289,
0.3287

■ 48.5818, 0.2334,
0.3287

■ 49.3735, 0.2399,
0.3288

■ 50.4378, 0.2483,
0.3288

■ 51.7965, 0.2586,
0.3288

■ 53.4691, 0.2704,
0.3289

■ 55.4735, 0.2837,
0.3289

■ 57.8263, 0.2982,
0.3290

Harmonies

Analogous

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



47.5518, 0.2643, 0.3885



47.5518, 0.2247, 0.3287



47.5518, 0.2081, 0.2764

Triad

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



47.5518, 0.2247, 0.3287



47.5518, 0.2971, 0.2492



47.5518, 0.4167, 0.4065

Complementary

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



47.5518, 0.2247, 0.3287



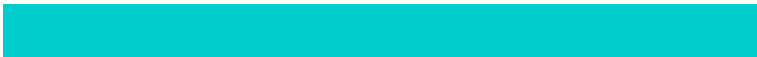
12.8657, 0.6393, 0.3300

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.



47.5518, 0.4299, 0.3643



47.5518, 0.2247, 0.3287



47.5518, 0.3572, 0.2782

Square

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



47.5518, 0.2247, 0.3287



47.5518, 0.2466, 0.2370



47.5518, 0.4078, 0.3188



47.5518, 0.3753, 0.4335

Rectangle

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



47.5518, 0.2247, 0.3287



47.5518, 0.2106, 0.2531



47.5518, 0.4078, 0.3188



47.5518, 0.4248, 0.3934

Sweetspot

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



47.5536, 0.2247, 0.3287



88.2580, 0.2693, 0.3289



43.2072, 0.3000, 0.5997



18.6280, 0.2641, 0.3288



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.



47.5536, 0.2247, 0.3287



78.7191, 0.2246, 0.3287



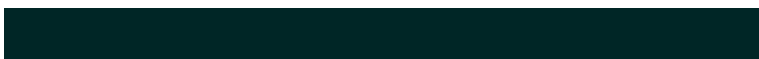
13.9717, 0.1772, 0.1575



12.7268, 0.2984, 0.3290



29.9179, 0.2246, 0.3287



1.5435, 0.2246, 0.3287

Inverse Universe

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



17.2226, 0.3209, 0.1543



28.4779, 0.3210, 0.1542



22.4477, 0.5407, 0.4084



11.4037, 0.3138, 0.3062



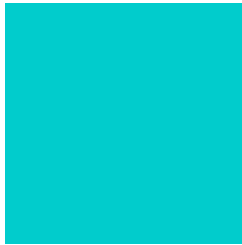
10.8232, 0.3210, 0.1542



0.5584, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 47.5518, 0.2247, 0.3287 looks on a white background.

Color Contrast Check

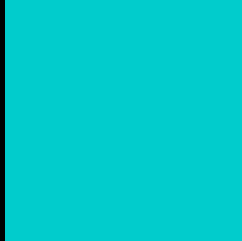
Large Text (above 18pt) WCAG AA × Fail

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 47.5518, 0.2247, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

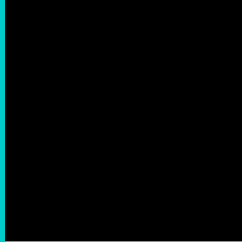
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

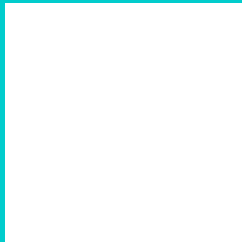
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.5518, 0.2247, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 47.5518, 0.2247, 0.3287.



This preview shows how white text looks on a background with the Yxy color 47.5518, 0.2247, 0.3287.

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

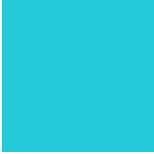
47.5518, 0.2247, 0.3287

Protanopia

46.8327, 0.3073, 0.3174

Deuteranopia

46.5365, 0.2946, 0.2880



Tritanopia

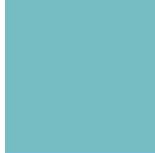
47.6963, 0.2215, 0.3058

Trichromacy



Original Color

47.5518, 0.2247, 0.3287



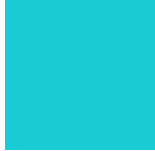
Protanomaly

44.1172, 0.2568, 0.3202



Deuteranomaly

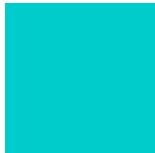
44.0167, 0.2501, 0.2994



Tritanomaly

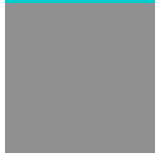
47.7102, 0.2222, 0.3142

Monochromacy



Original Color

47.5518, 0.2247, 0.3287



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.8510, 0.2536, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5518, 0.2247, 0.3287 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(1, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 204)  
}
```

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(1, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 204) }
```

Border

The CSS property to change the border of an element to Yxy 47.5518, 0.2247, 0.3287 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(1, 204, 204) }
```

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

```
.border{ border-color:rgb(1, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5518, 0.2247, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 204) }
```

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

```
.background{ background-color: rgb(1, 204,  
204) }
```

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