

Converting Colors

$Y_{xy}(47.1015, 0.2160, 0.2907)$

Have a look what the booklet for
Yxy(47.1015, 0.2160, 0.2907)
contains.

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Color

Yxy(47.1015, 0.2160, 0.2907)

Conversions

Conversions Part 1

Format	Color
Hex	1CC8E3
RGB	28, 200, 227
RGB Percent	11%, 78%, 89%
CMY	0.8904, 0.2157, 0.1098
CMYK	0.88, 0.12, 0.00, 0.11
HSL	188°, 78%, 50%
HSV	188°, 88%, 89%
XYZ	34.9980, 47.1015, 79.9283
YIQ	151.6500, -111.1790, -28.0670

Conversions

Conversions Part 2

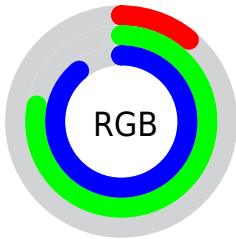
Format	Color
R _Y B	28, 120, 227
Decimal	1886435
CIE Lab	74.25, -30.65, -24.81
CIE LCh	74, 39.432, 218.981
Yxy	47.1015, 0.2160, 0.2907
Android (android.graphics.Color)	4280076515 (0xFF1CC8E3)
YUV	151.6500, 37.1476, -108.4410
Hunter-Lab	68.6305, -29.0777, -21.0088

Details

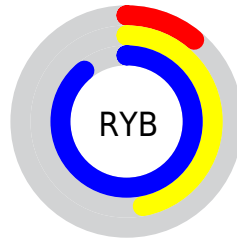
The Yxy color **47.1015, 0.2160, 0.2907** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **19.1450, 0.5999, 0.3453**, and the grayscale version is **31.1085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **23.5363, 0.2113, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **45.4784, 0.2130, 0.2860**, and if you desaturate by 10%, it is **48.9930, 0.2207, 0.2955**.

Distribution



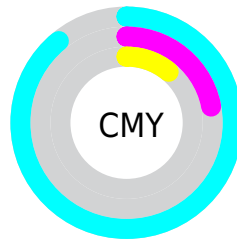
- Red (11%)
- Green (78%)
- Blue (89%)



- Red (11%)
- Yellow (47%)
- Blue (89%)



- Cyan (88%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)





- Cyan (89%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1015, 0.2160, 0.2907 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 47.1015, 0.2160, 0.2907 by changing the saturation by 10% instead.


 47.1015, 0.2160,
0.2907


 47.1015, 0.2160,
0.2907


375.2195, 0.2621,
0.3112

 33.1159, 0.2053,
0.2853


 85.8651, 0.2322,
0.2984

 22.2152, 0.1920,
0.2782


 111.4119, 0.2384,
0.3012

 14.0151, 0.1752,
0.2687


 141.5812, 0.2438,
0.3036

 8.1312, 0.1535,
0.2552

 176.7575, 0.2485,
0.3056

 4.1790, 0.1247,
0.2351

 217.3250, 0.2525,
0.3073

 1.7742, 0.0861,
0.2032

263.6683, 0.2561,

 0.4710, 0.0000,

0.3088

0.1397

316.1717, 0.2593,
0.3101

■ 0.0000, 0.0000,
0.0000

■ 47.1015, 0.2160,
0.2907

■ 47.1015, 0.2160,
0.2907

■ 45.4784, 0.2130,
0.2860

■ 48.9930, 0.2207,
0.2955

■ 45.1221, 0.2125,
0.2849

■ 51.1986, 0.2273,
0.3003

■ 53.7573, 0.2359,
0.3051

■ 56.7006, 0.2462,
0.3098

■ 60.0566, 0.2582,
0.3143

■ 63.8505, 0.2715,
0.3186

■ 68.1053, 0.2858,
0.3226

■ 72.8424, 0.3009,
0.3264

■ 78.0819, 0.3163,
0.3298

Harmonies

Analogous

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



47.1015, 0.2375, 0.3430



47.1015, 0.2160, 0.2907



47.1015, 0.2176, 0.2558

Triad

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



47.1015, 0.2160, 0.2907



47.1015, 0.3406, 0.2732



47.1015, 0.3831, 0.4229

Complementary

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



47.1015, 0.2160, 0.2907



19.1450, 0.5999, 0.3453

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.



47.1015, 0.4161, 0.3933



47.1015, 0.2160, 0.2907



47.1015, 0.3918, 0.3096

Square

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



47.1015, 0.2160, 0.2907



47.1015, 0.2852, 0.2493



47.1015, 0.4202, 0.3521



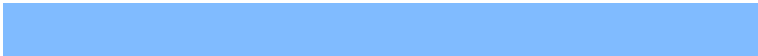
47.1015, 0.3328, 0.4267

Rectangle

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



47.1015, 0.2160, 0.2907



47.1015, 0.2312, 0.2445



47.1015, 0.4202, 0.3521



47.1015, 0.3967, 0.4151

Sweetspot

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



47.1032, 0.2160, 0.2907



83.9147, 0.2736, 0.3193



55.4623, 0.2956, 0.5727



17.5716, 0.2688, 0.3178



0.0000, 0.0000, 0.0000



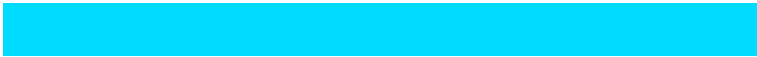
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.1032, 0.2160, 0.2907



58.6173, 0.2124, 0.2846



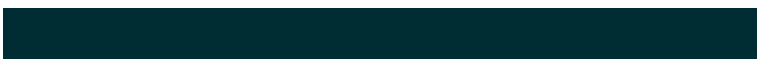
15.0885, 0.1748, 0.1388



15.9853, 0.2981, 0.3257



26.4385, 0.2127, 0.2856



2.0464, 0.2146, 0.2925

Inverse Universe

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



21.3314, 0.3532, 0.1772



26.4486, 0.3593, 0.1753



39.5354, 0.4859, 0.4421



14.5798, 0.3159, 0.3089



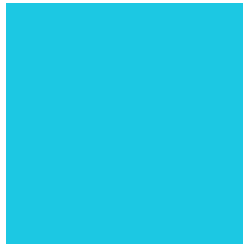
11.8667, 0.3583, 0.1748



0.8863, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 47.1015, 0.2160, 0.2907 looks on a white background.

Color Contrast Check

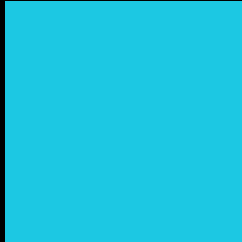
Large Text (above 18pt) WCAG AA × Fail

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 47.1015, 0.2160, 0.2907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

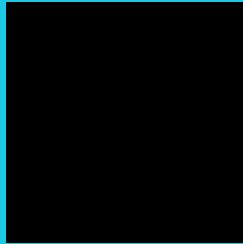
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1015, 0.2160, 0.2907

Background



This preview shows how black text looks on a background with the Yxy color 47.1015, 0.2160, 0.2907.

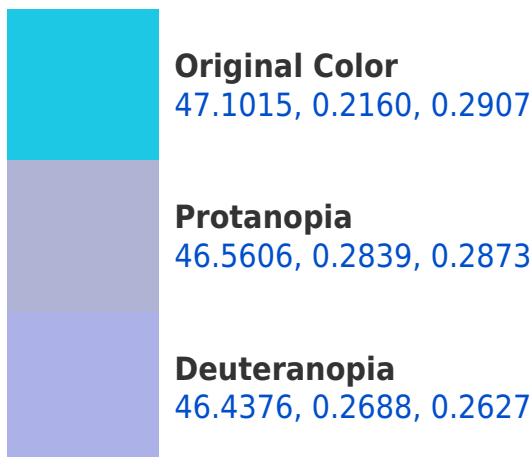


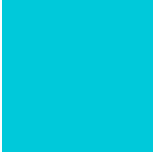
This preview shows how white text looks on a background with the Yxy color 47.1015, 0.2160, 0.2907.

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

46.8352, 0.2178, 0.3042

Trichromacy



Original Color

47.1015, 0.2160, 0.2907



Protanomaly

44.7402, 0.2463, 0.2866



Deuteranomaly

44.8241, 0.2387, 0.2703



Tritanomaly

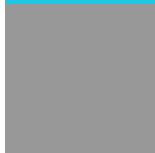
47.0583, 0.2172, 0.3001

Monochromacy



Original Color

47.1015, 0.2160, 0.2907



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.7564, 0.2557, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1015, 0.2160, 0.2907 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(28, 200, 227)` looks like.

```
.text, #text, p{  
  color:rgb(28, 200, 227)  
}
```

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(28, 200, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 200, 227) }
```

Border

The CSS property to change the border of an element to Yxy 47.1015, 0.2160, 0.2907 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(28, 200, 227) }
```

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

```
.border{ border-color:rgb(28, 200, 227) }
```

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

Here you see how a box with a 4 pixel rgb(28, 200, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 200, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 200, 227);  
box-shadow:4px 4px 4px 4px rgb(28, 200,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1015, 0.2160, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 200, 227) }
```

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

```
.background{ background-color: rgb(28, 200,  
227) }
```

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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