

Converting Colors

$Yxy(47.0614, 0.2319, 0.3067)$

Have a look what the booklet for
Yxy(47.0614, 0.2319, 0.3067)
contains.

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Color

Yxy(46.8629, 0.2317, 0.3060)

Conversions

Conversions Part 1

Format	Color
Hex	4EC6D6
RGB	78, 198, 214
RGB Percent	31%, 78%, 84%
CMY	0.6935, 0.2236, 0.1607
CMYK	0.63, 0.07, 0.00, 0.16
HSL	187°, 62%, 57%
HSV	187°, 63%, 84%
XYZ	35.4841, 46.8629, 70.7997
YIQ	163.9440, -76.6560, -20.4640

Conversions

Conversions Part 2

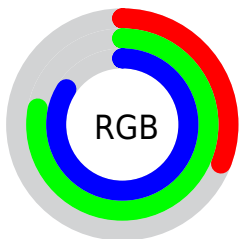
Format	Color
RYB	78, 142, 214
Decimal	5162710
CIELab	74.10, -28.34, -17.92
CIELCh	74, 33.534, 212.304
Yxy	46.8629, 0.2317, 0.3060
Android (android.graphics.Color)	4283352790 (0xFF4EC6D6)
YUV	163.9440, 24.6776, -75.3729
Hunter-Lab	68.4565, -27.2742, -13.3999

Details

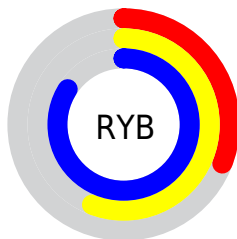
The Yxy color **46.8629, 0.2317, 0.3060** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.8891, 0.5025, 0.3471**, and the grayscale version is **37.0254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **22.4497, 0.2165, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **44.9566, 0.2245, 0.3019**, and if you desaturate by 10%, it is **49.0862, 0.2408, 0.3101**.

Distribution



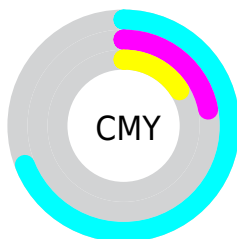
- Red (31%)
- Green (78%)
- Blue (84%)



- Red (31%)
- Yellow (56%)
- Blue (84%)



- Cyan (63%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)





- Cyan (69%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8629, 0.2317, 0.3060 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 46.8629, 0.2317, 0.3060 by changing the saturation by 10% instead.


 46.8629, 0.2317,
0.3060


 46.8629, 0.2317,
0.3060


374.2670, 0.2709,
0.3186


 32.9273, 0.2224,
0.3026


 85.5089, 0.2456,
0.3108


 22.0707, 0.2108,
0.2980


 110.9882, 0.2509,
0.3126

 13.9089, 0.1958,
0.2917


 141.0840, 0.2554,
0.3140

 8.0573, 0.1760,
0.2825

 176.1809, 0.2594,
0.3152

 4.1317, 0.1489,
0.2682

216.6633, 0.2628,
0.3163

 1.7475, 0.1104,
0.2437

262.9155, 0.2658,

 0.4541, 0.0000,

0.3172

0.1867

315.3220, 0.2685,
0.3179

0.0000, 0.0000,
0.0000

46.8629, 0.2317,
0.3060

46.8629, 0.2317,
0.3060

44.9566, 0.2245,
0.3019

49.0862, 0.2408,
0.3101

43.3322, 0.2192,
0.2977

51.6470, 0.2517,
0.3141

41.9554, 0.2157,
0.2936

54.5701, 0.2640,
0.3179

41.1509, 0.2142,
0.2910

57.8765, 0.2776,
0.3215

61.5854, 0.2922,
0.3249

■ 65.7148, 0.3073,
0.3280

■ 70.2814, 0.3229,
0.3308

■ 75.3011, 0.3385,
0.3334

■ 77.6733, 0.3423,
0.3358

Harmonies

Analogous

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



46.8629, 0.2551, 0.3518



46.8629, 0.2317, 0.3060



46.8629, 0.2284, 0.2717

Triad

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



46.8629, 0.2317, 0.3060



46.8629, 0.3261, 0.2750



46.8629, 0.3814, 0.4055

Complementary

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



46.8629, 0.2317, 0.3060



22.8891, 0.5025, 0.3471

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.



46.8629, 0.4042, 0.3780



46.8629, 0.2317, 0.3060



46.8629, 0.3715, 0.3050

Square

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



46.8629, 0.2317, 0.3060



46.8629, 0.2799, 0.2572



46.8629, 0.4010, 0.3415



46.8629, 0.3409, 0.4132

Rectangle

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



46.8629, 0.2317, 0.3060



46.8629, 0.2374, 0.2587



46.8629, 0.4010, 0.3415



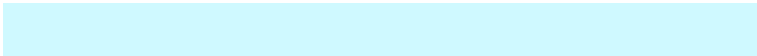
46.8629, 0.3915, 0.3980

Sweetspot

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



46.8646, 0.2317, 0.3060



88.3485, 0.2838, 0.3230



50.5335, 0.2965, 0.5127



18.5774, 0.2796, 0.3220



0.0000, 0.0000, 0.0000



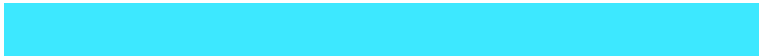
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8646, 0.2317, 0.3060



66.0111, 0.2225, 0.3005



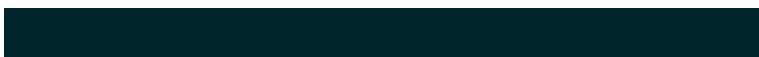
22.5112, 0.2071, 0.2000



13.8461, 0.2983, 0.3262



24.9707, 0.2143, 0.2916



1.5784, 0.2163, 0.2986

Inverse Universe

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



23.8466, 0.3378, 0.1981



30.4531, 0.3438, 0.1821



40.6684, 0.4397, 0.4255



12.6063, 0.3156, 0.3087



10.8657, 0.3529, 0.1718



0.6627, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 46.8629, 0.2317, 0.3060 looks on a white background.

Color Contrast Check

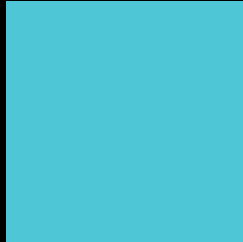
Large Text (above 18pt) WCAG AA × Fail

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 46.8629, 0.2317, 0.3060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

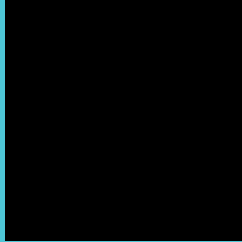
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8629, 0.2317, 0.3060

Background



This preview shows how black text looks on a background with the Yxy color 46.8629, 0.2317, 0.3060.

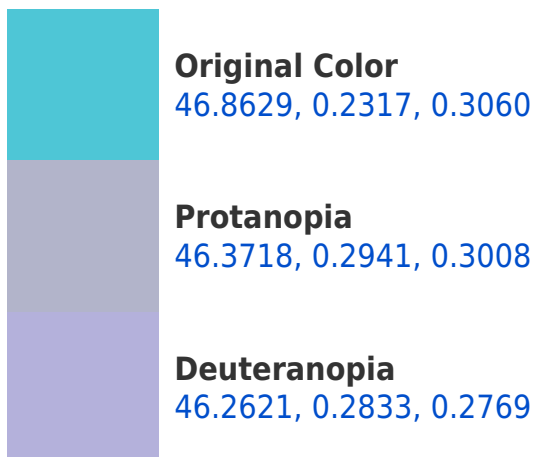


This preview shows how white text looks on a background with the Yxy color 46.8629, 0.2317, 0.3060.

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

46.8629, 0.2317, 0.3060

Trichromacy



Original Color

46.8629, 0.2317, 0.3060



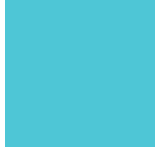
Protanomaly

45.7477, 0.2655, 0.3031



Deuteranomaly

45.5473, 0.2591, 0.2864



Tritanomaly

46.8629, 0.2317, 0.3060

Monochromacy



Original Color

46.8629, 0.2317, 0.3060



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.4146, 0.2732, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8629, 0.2317, 0.3060 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(78, 198, 214)` looks like.

```
.text, #text, p{  
    color:rgb(78, 198, 214)  
}
```

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(78, 198, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 198, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.8629, 0.2317, 0.3060 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(78, 198, 214) }
```

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

```
.border{ border-color:rgb(78, 198, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 198, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 198, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 198, 214);  
box-shadow:4px 4px 4px 4px rgb(78, 198,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8629, 0.2317, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 198, 214) }
```

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

```
.background{ background-color: rgb(78, 198,  
214) }
```

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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