

Converting Colors

$Y_{xy}(46.7635, 0.2576, 0.3153)$

Have a look what the booklet for
Yxy(46.7635, 0.2576, 0.3153)
contains.

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Color

Yxy(46.8117, 0.2577, 0.3149)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7DC1CB |
| RGB | 125, 193, 203 |
| RGB Percent | 49%, 76%, 80% |
| CMY | 0.5098, 0.2431, 0.2038 |
| CMYK | 0.38, 0.05, 0.00, 0.20 |
| HSL | 188°, 43%, 64% |
| HSV | 188°, 38%, 80% |
| XYZ | 38.3086, 46.8117, 63.5355 |
| YIQ | 173.8080, -43.7380, -11.3060 |

Conversions

Conversions Part 2

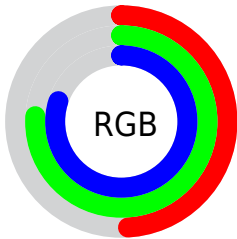
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 125, 161, 203 |
| Decimal | 8241611 |
| CIE _{Lab} | 74.07, -18.89, -11.84 |
| CIE _{LCh} | 74, 22.294, 212.067 |
| Y _{xy} | 46.8117, 0.2577, 0.3149 |
| Android (android.graphics.Color) | 4286431691 (0xFF7DC1CB) |
| YUV | 173.8080, 14.3917, -42.8046 |
| Hunter-Lab | 68.4191, -19.7893, -7.1647 |

Details

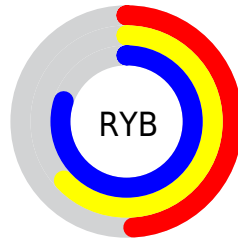
The Yxy color **46.8117, 0.2577, 0.3149** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.5155, 0.4020, 0.3424**, and the grayscale version is **42.1661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4150, 0.2700, 0.3235**, and **21.9373, 0.2424, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **44.2950, 0.2460, 0.3107**, and if you desaturate by 10%, it is **49.6647, 0.2708, 0.3189**.

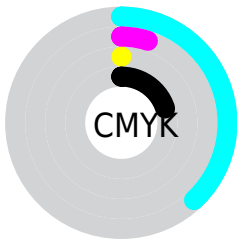
Distribution



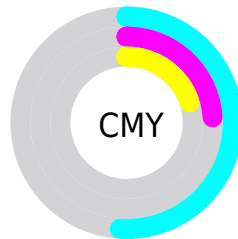
- Red (49%)
- Green (76%)
- Blue (80%)



- Red (49%)
- Yellow (63%)
- Blue (80%)



- Cyan (38%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (51%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8117, 0.2577, 0.3149 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 46.8117, 0.2577, 0.3149 by changing the saturation by 10% instead.


 46.8117, 0.2577,
0.3149

 46.8117, 0.2577,
0.3149


374.0624, 0.2847,
0.3225

 32.8868, 0.2512,
0.3129


 85.4325, 0.2674,
0.3178

 22.0398, 0.2429,
0.3101


 110.8972, 0.2710,
0.3188

 13.8861, 0.2320,
0.3064


 140.9773, 0.2742,
0.3197

 8.0415, 0.2173,
0.3009

176.0571, 0.2768,
0.3204

 4.1215, 0.1963,
0.2923

216.5212, 0.2792,
0.3210

 1.7418, 0.1641,
0.2770

262.7538, 0.2812,

 0.4505, 0.0000,

0.3216

0.2484

315.1394, 0.2831,
0.3221

0.0000, 0.0000,
0.0000

46.8117, 0.2577,
0.3149

46.8117, 0.2577,
0.3149

44.2950, 0.2460,
0.3107

49.6647, 0.2708,
0.3189

42.0899, 0.2358,
0.3062

52.8662, 0.2849,
0.3227

40.1768, 0.2275,
0.3018

56.4343, 0.2998,
0.3263

38.5315, 0.2211,
0.2972

60.3843, 0.3151,
0.3295

37.1255, 0.2165,
0.2927

64.7305, 0.3306,
0.3324

■ 35.9148, 0.2136,
0.2883

■ 69.4866, 0.3461,
0.3350

■ 35.7331, 0.2132,
0.2876

■ 72.2950, 0.3520,
0.3375

■ 73.6043, 0.3514,
0.3402

■ 74.9347, 0.3509,
0.3428

Harmonies

Analogous

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



46.8117, 0.2743, 0.3446



46.8117, 0.2577, 0.3149



46.8117, 0.2551, 0.2912

Triad

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



46.8117, 0.2577, 0.3149



46.8117, 0.3218, 0.2919



46.8117, 0.3593, 0.3804

Complementary

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



46.8117, 0.2577, 0.3149



31.5155, 0.4020, 0.3424

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.



46.8117, 0.3737, 0.3631



46.8117, 0.2577, 0.3149



46.8117, 0.3516, 0.3129

Square

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



46.8117, 0.2577, 0.3149



46.8117, 0.2908, 0.2796



46.8117, 0.3710, 0.3385



46.8117, 0.3326, 0.3840

Rectangle

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



46.8117, 0.2577, 0.3149



46.8117, 0.2614, 0.2817



46.8117, 0.3710, 0.3385



46.8117, 0.3658, 0.3759

Sweetspot

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



46.8135, 0.2577, 0.3149



92.1677, 0.2942, 0.3250



48.8102, 0.3016, 0.4314



19.5574, 0.2922, 0.3245



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.



46.8135, 0.2577, 0.3149



74.8734, 0.2480, 0.3114



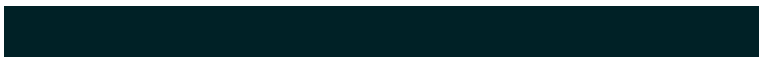
32.0846, 0.2493, 0.2585



12.4714, 0.2983, 0.3259



22.8264, 0.2134, 0.2882



1.2479, 0.2158, 0.2969

Inverse Universe

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



31.2166, 0.3273, 0.2456



45.6378, 0.3311, 0.2289



44.1133, 0.3831, 0.3902



11.3780, 0.3157, 0.3090



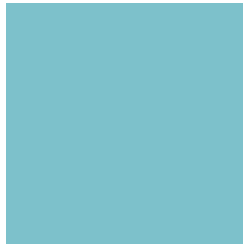
10.1073, 0.3559, 0.1735



0.5285, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 46.8117, 0.2577, 0.3149 looks on a white background.

Color Contrast Check

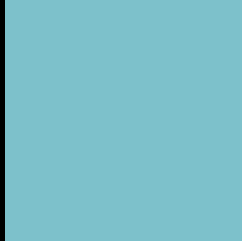
Large Text (above 18pt) WCAG AA × Fail

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 46.8117, 0.2577, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

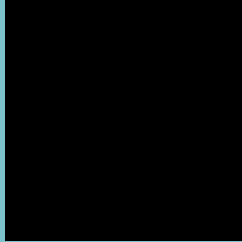
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

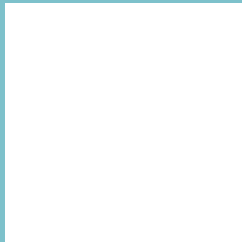
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8117, 0.2577, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 46.8117, 0.2577, 0.3149.

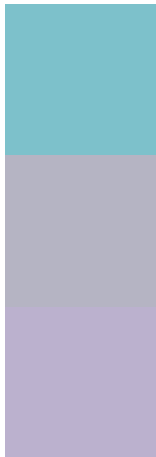


This preview shows how white text looks on a background with the Yxy color 46.8117, 0.2577, 0.3149.

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

46.8117, 0.2577, 0.3149

Protanopia

46.4064, 0.3018, 0.3097

Deuteranopia

46.4653, 0.2984, 0.2928



Tritanopia

46.6890, 0.2552, 0.3068

Trichromacy



Original Color

46.8117, 0.2577, 0.3149

Protanomaly

46.3522, 0.2840, 0.3116

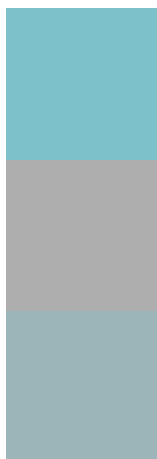
Deuteranomaly

46.1673, 0.2813, 0.3001

Tritanomaly

46.5911, 0.2564, 0.3095

Monochromacy



Original Color

46.8117, 0.2577, 0.3149

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.6184, 0.2891, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8117, 0.2577, 0.3149 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(125, 193, 203)` looks like.

```
.text, #text, p{  
    color:rgb(125, 193, 203)  
}
```

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(125, 193, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 193, 203) }
```

Border

The CSS property to change the border of an element to Yxy 46.8117, 0.2577, 0.3149 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(125, 193, 203) }
```

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

```
.border{ border-color:rgb(125, 193, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 193, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 193, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 193, 203);  
box-shadow:4px 4px 4px 4px rgb(125, 193,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8117, 0.2577, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 193, 203) }
```

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

```
.background{ background-color: rgb(125,  
193, 203) }
```

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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