

Converting Colors

$Y_{xy}(42.8011, 0.2596, 0.3249)$

Have a look what the booklet for
Yxy(42.8011, 0.2596, 0.3249)
contains.

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Color

Yxy(42.9967, 0.2599, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	75BBBD
RGB	117, 187, 189
RGB Percent	46%, 73%, 74%
CMY	0.5413, 0.2666, 0.2587
CMYK	0.38, 0.01, 0.00, 0.26
HSL	182°, 35%, 60%
HSV	182°, 38%, 74%
XYZ	34.2892, 42.9967, 54.6463
YIQ	166.2980, -42.3620, -14.2180

Conversions

Conversions Part 2

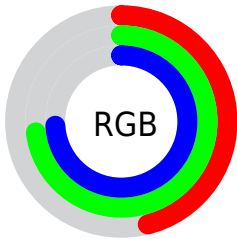
Format	Color
RYB	117, 152, 189
Decimal	7715773
CIELab	71.55, -21.44, -7.99
CIELCh	72, 22.882, 200.427
Yxy	42.9967, 0.2599, 0.3259
Android (android.graphics.Color)	4285905853 (0xFF75BBBD)
YUV	166.2980, 11.1921, -43.2343
Hunter-Lab	65.5719, -21.4086, -3.5108

Details

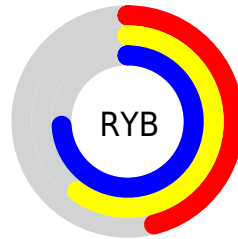
The Yxy color **42.9967, 0.2599, 0.3259** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.2918, 0.4043, 0.3321**, and the grayscale version is **38.2423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4644, 0.2694, 0.3266**, and **19.8845, 0.2452, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **41.5957, 0.2492, 0.3250**, and if you desaturate by 10%, it is **44.6662, 0.2722, 0.3268**.

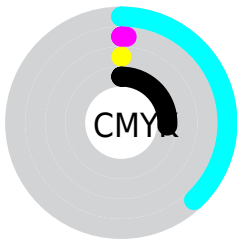
Distribution



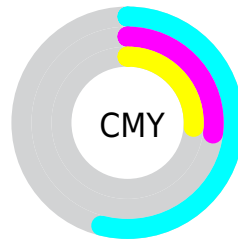
- Red (46%)
- Green (73%)
- Blue (74%)



- Red (46%)
- Yellow (60%)
- Blue (74%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)





- Cyan (54%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9967, 0.2599, 0.3259 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 42.9967, 0.2599, 0.3259 by changing the saturation by 10% instead.


 42.9967, 0.2599,
0.3259


 42.9967, 0.2599,
0.3259


358.5982, 0.2862,
0.3280


 29.8825, 0.2534,
0.3252


 79.7059, 0.2695,
0.3268

 19.7494, 0.2450,
0.3242


 104.0697, 0.2730,
0.3271

 12.2130, 0.2339,
0.3228


 132.9521, 0.2761,
0.3273

 6.8889, 0.2186,
0.3204


166.7377, 0.2787,
0.3275

 3.3927, 0.1961,
0.3161

205.8106, 0.2810,
0.3276

 1.3400, 0.1588,
0.3075

250.5554, 0.2829,

 0.1719, 0.0000,

0.3278

0.1874

301.3565, 0.2847,
0.3279

0.0000, 0.0000,
0.0000

42.9967, 0.2599,
0.3259

42.9967, 0.2599,
0.3259

41.5957, 0.2492,
0.3250

44.6662, 0.2722,
0.3268

40.4422, 0.2402,
0.3241

46.6138, 0.2858,
0.3276

39.5200, 0.2331,
0.3231

48.8549, 0.3003,
0.3284

38.8091, 0.2278,
0.3222

51.4020, 0.3156,
0.3291

38.2860, 0.2244,
0.3213

54.2672, 0.3314,
0.3298

■ 37.9138, 0.2226,
0.3204

■ 57.4618, 0.3472,
0.3304

■ 37.8498, 0.2223,
0.3202

■ 60.9965, 0.3631,
0.3309

■ 62.2962, 0.3677,
0.3315

■ 62.5271, 0.3676,
0.3320

Harmonies

Analogous

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



42.9967, 0.2823, 0.3573



42.9967, 0.2599, 0.3259



42.9967, 0.2512, 0.2975

Triad

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



42.9967, 0.2599, 0.3259



42.9967, 0.3092, 0.2836



42.9967, 0.3697, 0.3774

Complementary

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



42.9967, 0.2599, 0.3259



25.2918, 0.4043, 0.3321

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.



42.9967, 0.3783, 0.3552



42.9967, 0.2599, 0.3259



42.9967, 0.3424, 0.3026

Square

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



42.9967, 0.2599, 0.3259



42.9967, 0.2785, 0.2752



42.9967, 0.3682, 0.3282



42.9967, 0.3456, 0.3877

Rectangle

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



42.9967, 0.2599, 0.3259



42.9967, 0.2540, 0.2842



42.9967, 0.3682, 0.3282



42.9967, 0.3746, 0.3710

Sweetspot

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



42.9984, 0.2599, 0.3259



86.1966, 0.2958, 0.3282



41.4946, 0.3066, 0.4415



18.4175, 0.2938, 0.3281



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.9984, 0.2599, 0.3259



74.8019, 0.2506, 0.3251



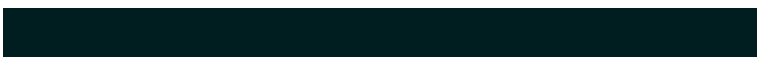
29.8424, 0.2519, 0.2713



10.7626, 0.2985, 0.3283



25.4804, 0.2223, 0.3203



1.0126, 0.2229, 0.3225

Inverse Universe

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



27.1231, 0.3192, 0.2384



42.3214, 0.3207, 0.2195



35.2792, 0.3856, 0.3801



9.6916, 0.3142, 0.3070



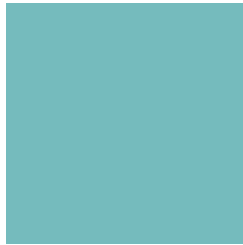
9.6020, 0.3279, 0.1580



0.3776, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 42.9967, 0.2599, 0.3259 looks on a white background.

Color Contrast Check

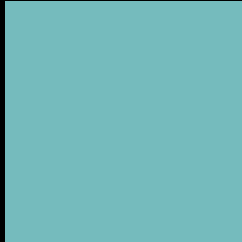
Large Text (above 18pt) WCAG AA × Fail

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 42.9967, 0.2599, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

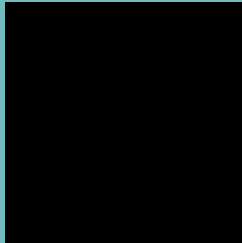
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

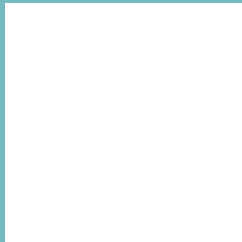
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9967, 0.2599, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 42.9967, 0.2599, 0.3259.

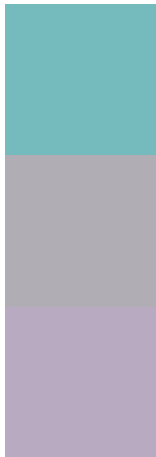


This preview shows how white text looks on a background with the Yxy color 42.9967, 0.2599, 0.3259.

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

42.9967, 0.2599, 0.3259

Protanopia

42.4534, 0.3088, 0.3183

Deuteranopia

42.6670, 0.3053, 0.2992



Tritanopia

42.8611, 0.2548, 0.3074

Trichromacy



Original Color

42.9967, 0.2599, 0.3259

Protanomaly

42.2700, 0.2889, 0.3206

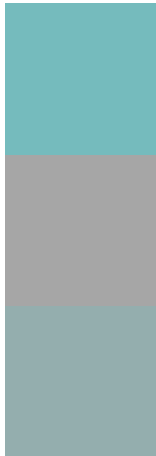
Deuteranomaly

42.2274, 0.2861, 0.3071

Tritanomaly

43.0253, 0.2567, 0.3144

Monochromacy



Original Color

42.9967, 0.2599, 0.3259

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.6240, 0.2905, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9967, 0.2599, 0.3259 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(117, 187, 189)` looks like.

```
.text, #text, p{  
    color:rgb(117, 187, 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(117, 187, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 187, 189) }
```

Border

The CSS property to change the border of an element to Yxy 42.9967, 0.2599, 0.3259 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(117, 187, 189) }
```

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

```
.border{ border-color:rgb(117, 187, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 187, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 187, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 187, 189);  
box-shadow:4px 4px 4px 4px rgb(117, 187,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9967, 0.2599, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 187, 189) }
```

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

```
.background{ background-color: rgb(117,  
187, 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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