

Converting Colors

$Y_{xy}(41.7772, 0.2659, 0.3195)$

Have a look what the booklet for
Yxy(41.7772, 0.2659, 0.3195)
contains.

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Color

Yxy(41.7192, 0.2660, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	80B6BD
RGB	128, 182, 189
RGB Percent	50%, 71%, 74%
CMY	0.4979, 0.2863, 0.2588
CMYK	0.32, 0.04, 0.00, 0.26
HSL	187°, 32%, 62%
HSV	187°, 32%, 74%
XYZ	34.8205, 41.7192, 54.3646
YIQ	166.6520, -34.4310, -9.2710

Conversions

Conversions Part 2

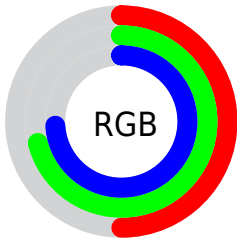
Format	Color
RYB	128, 157, 189
Decimal	8435389
CIELab	70.68, -15.84, -9.22
CIELCh	71, 18.328, 210.211
Yxy	41.7192, 0.2660, 0.3187
Android (android.graphics.Color)	4286625469 (0xFF80B6BD)
YUV	166.6520, 11.0176, -33.8978
Hunter-Lab	64.5904, -16.8042, -4.6900

Details

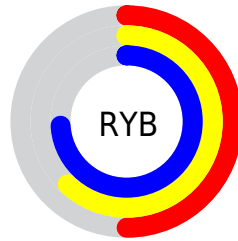
The Yxy color **41.7192, 0.2660, 0.3187** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.7232, 0.3827, 0.3390**, and the grayscale version is **38.4287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8089, 0.2748, 0.3211**, and **19.0146, 0.2527, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **39.5050, 0.2536, 0.3150**, and if you desaturate by 10%, it is **44.2236, 0.2796, 0.3222**.

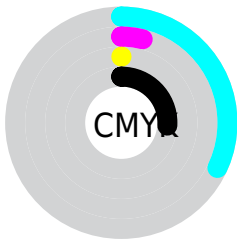
Distribution



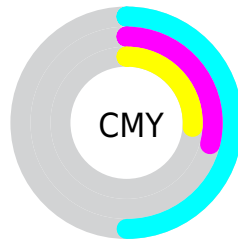
- Red (50%)
- Green (71%)
- Blue (74%)



- Red (50%)
- Yellow (62%)
- Blue (74%)



- Cyan (32%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)





- Cyan (50%)
- Magenta (29%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7192, 0.2660, 0.3187 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 41.7192, 0.2660, 0.3187 by changing the saturation by 10% instead.


 41.7192, 0.2660,
0.3187


 41.7192, 0.2660,
0.3187


353.3176, 0.2894,
0.3243


 28.8815, 0.2601,
0.3171


 77.7745, 0.2745,
0.3209

 18.9912, 0.2526,
0.3150


 101.7608, 0.2777,
0.3216

 11.6639, 0.2426,
0.3121


 130.2321, 0.2804,
0.3223

 6.5153, 0.2286,
0.3076

163.5729, 0.2828,
0.3228

 3.1608, 0.2079,
0.3003

202.1674, 0.2848,
0.3233

 1.2163, 0.1736,
0.2866

246.4001, 0.2865,

 0.0749, 0.0000,

0.3237

0.0935

296.6554, 0.2881,
0.3240

0.0000, 0.0000,
0.0000

41.7192, 0.2660,
0.3187

41.7192, 0.2660,
0.3187

39.5050, 0.2536,
0.3150

44.2236, 0.2796,
0.3222

37.5607, 0.2426,
0.3112

47.0272, 0.2941,
0.3254

35.8713, 0.2333,
0.3073

50.1449, 0.3093,
0.3284

34.4182, 0.2258,
0.3033

53.5889, 0.3247,
0.3311

33.1798, 0.2202,
0.2993

57.3709, 0.3402,
0.3335

■ 32.1306, 0.2165,
0.2953

■ 61.5019, 0.3555,
0.3357

■ 31.4097, 0.2145,
0.2923

■ 64.9635, 0.3662,
0.3377

■ 65.9594, 0.3656,
0.3399

■ 66.9696, 0.3650,
0.3422

Harmonies

Analogous

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



41.7192, 0.2811, 0.3439



41.7192, 0.2660, 0.3187



41.7192, 0.2629, 0.2978

Triad

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



41.7192, 0.2660, 0.3187



41.7192, 0.3189, 0.2961



41.7192, 0.3538, 0.3724

Complementary

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



41.7192, 0.2660, 0.3187



29.7232, 0.3827, 0.3390

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.



41.7192, 0.3651, 0.3573



41.7192, 0.2660, 0.3187



41.7192, 0.3446, 0.3140

Square

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



41.7192, 0.2660, 0.3187



41.7192, 0.2925, 0.2861



41.7192, 0.3617, 0.3360



41.7192, 0.3315, 0.3760

Rectangle

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



41.7192, 0.2660, 0.3187



41.7192, 0.2679, 0.2890



41.7192, 0.3617, 0.3360



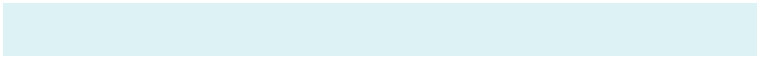
41.7192, 0.3590, 0.3684

Sweetspot

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



41.7209, 0.2660, 0.3187



85.3409, 0.2973, 0.3260



42.7159, 0.3041, 0.4134



18.1897, 0.2952, 0.3256



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.



41.7209, 0.2660, 0.3187



71.7433, 0.2567, 0.3160



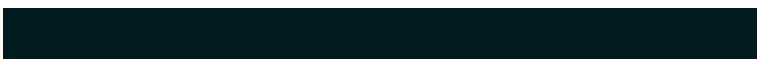
30.8633, 0.2605, 0.2736



10.6170, 0.2985, 0.3263



21.2034, 0.2147, 0.2928



0.8844, 0.2173, 0.3022

Inverse Universe

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



29.6470, 0.3236, 0.2582



46.9055, 0.3266, 0.2424



39.1535, 0.3701, 0.3786



9.6769, 0.3155, 0.3089



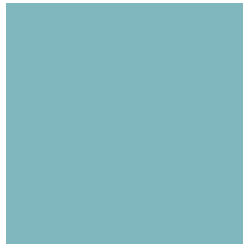
9.1702, 0.3518, 0.1712



0.3646, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 41.7192, 0.2660, 0.3187 looks on a white background.

Color Contrast Check

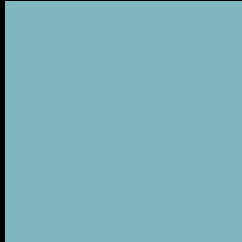
Large Text (above 18pt) WCAG AA × Fail

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 41.7192, 0.2660, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

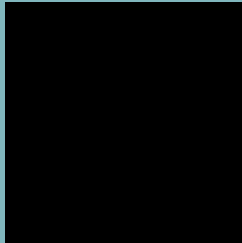
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

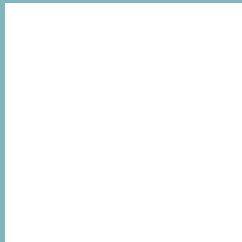
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7192, 0.2660, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 41.7192, 0.2660, 0.3187.



This preview shows how white text looks on a background with the Yxy color 41.7192, 0.2660, 0.3187.

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

41.7192, 0.2660, 0.3187

Protanopia

41.2739, 0.3045, 0.3141

Deuteranopia

41.5143, 0.3035, 0.2976



Tritanopia

41.7337, 0.2633, 0.3089

Trichromacy



Original Color

41.7192, 0.2660, 0.3187

Protanomaly

41.2306, 0.2888, 0.3150

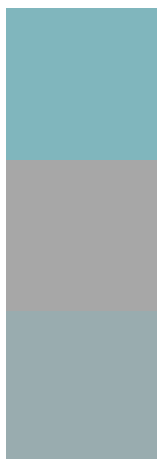
Deuteranomaly

41.2258, 0.2882, 0.3043

Tritanomaly

41.5651, 0.2639, 0.3116

Monochromacy



Original Color

41.7192, 0.2660, 0.3187

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.3725, 0.2938, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7192, 0.2660, 0.3187 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(128, 182, 189)` looks like.

```
.text, #text, p{  
    color:rgb(128, 182, 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(128, 182, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 182, 189) }
```

Border

The CSS property to change the border of an element to Yxy 41.7192, 0.2660, 0.3187 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(128, 182, 189) }
```

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

```
.border{ border-color:rgb(128, 182, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 182, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 182, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 182, 189);  
box-shadow:4px 4px 4px 4px rgb(128, 182,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7192, 0.2660, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 182, 189) }
```

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

```
.background{ background-color: rgb(128,  
182, 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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