

Converting Colors

$Y_{xy}(42.1003, 0.2584, 0.3289)$

Have a look what the booklet for
Yxy(42.1003, 0.2584, 0.3289)
contains.

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Color

Yxy(42.1077, 0.2585, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	70BABA
RGB	112, 186, 186
RGB Percent	44%, 73%, 73%
CMY	0.5608, 0.2706, 0.2705
CMYK	0.40, 0.00, 0.00, 0.27
HSL	180°, 35%, 58%
HSV	180°, 40%, 73%
XYZ	33.1047, 42.1077, 52.8523
YIQ	163.8740, -44.1040, -15.6880

Conversions

Conversions Part 2

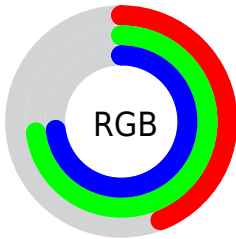
Format	Color
RYB	112, 149, 186
Decimal	7387834
CIELab	70.95, -22.97, -7.27
CIELCh	71, 24.095, 197.573
Yxy	42.1077, 0.2585, 0.3288
Android (android.graphics.Color)	4285577914 (0xFF70BABA)
YUV	163.8740, 10.9081, -45.4935
Hunter-Lab	64.8904, -22.4941, -2.8675

Details

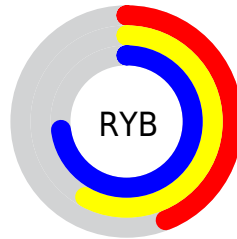
The Yxy color **42.1077, 0.2585, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2035, 0.4113, 0.3293**, and the grayscale version is **37.0243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1306, 0.2682, 0.3289**, and **19.3384, 0.2433, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **41.0100, 0.2483, 0.3288**, and if you desaturate by 10%, it is **43.4608, 0.2703, 0.3288**.

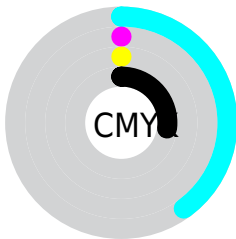
Distribution



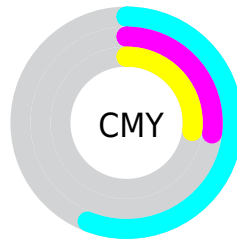
- Red (44%)
- Green (73%)
- Blue (73%)



- Red (44%)
- Yellow (58%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)




- Cyan (56%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1077, 0.2585, 0.3288 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 42.1077, 0.2585, 0.3288 by changing the saturation by 10% instead.


 42.1077, 0.2585,
0.3288


 42.1077, 0.2585,
0.3288


354.9292, 0.2856,
0.3294


 29.1856, 0.2517,
0.3285


 78.3626, 0.2684,
0.3291

 19.2213, 0.2431,
0.3280


 102.4642, 0.2721,
0.3292

 11.8303, 0.2315,
0.3271


 131.0611, 0.2752,
0.3293

 6.6282, 0.2156,
0.3255

164.5378, 0.2779,
0.3293

 3.2307, 0.1920,
0.3224

203.2785, 0.2802,
0.3294

 1.2533, 0.1494,
0.3168

247.6677, 0.2823,

 0.1046, 0.0000,

0.3294

0.1439

298.0898, 0.2840,
0.3294

0.0000, 0.0000,
0.0000

42.1077, 0.2585,
0.3288

42.1077, 0.2585,
0.3288

41.0100, 0.2483,
0.3288

43.4608, 0.2703,
0.3288

40.1471, 0.2400,
0.3287

45.0786, 0.2835,
0.3289

39.5032, 0.2335,
0.3287


46.9760, 0.2978,
0.3289


39.0587, 0.2289,
0.3287


49.1654, 0.3130,
0.3290

38.7901, 0.2261,
0.3287

51.6584, 0.3287,
0.3291


 38.6516, 0.2247,
0.3286

 54.4659, 0.3447,
0.3291

 38.6491, 0.2246,
0.3286

 57.5984, 0.3607,
0.3292

 59.9471, 0.3716,
0.3292

 59.9498, 0.3716,
0.3292

Harmonies

Analogous

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



42.1077, 0.2833, 0.3620



42.1077, 0.2585, 0.3288



42.1077, 0.2479, 0.2980

Triad

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



42.1077, 0.2585, 0.3288



42.1077, 0.3055, 0.2797



42.1077, 0.3748, 0.3784

Complementary

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



42.1077, 0.2585, 0.3288



23.2035, 0.4113, 0.3293

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.



42.1077, 0.3822, 0.3540



42.1077, 0.2585, 0.3288



42.1077, 0.3409, 0.2988

Square

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



42.1077, 0.2585, 0.3288



42.1077, 0.2738, 0.2720



42.1077, 0.3696, 0.3253



42.1077, 0.3504, 0.3910

Rectangle

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



42.1077, 0.2585, 0.3288



42.1077, 0.2498, 0.2831



42.1077, 0.3696, 0.3253



42.1077, 0.3794, 0.3712

Sweetspot

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



42.1094, 0.2585, 0.3288



84.2461, 0.2943, 0.3289



39.7433, 0.3071, 0.4492



18.4504, 0.2924, 0.3289



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.



42.1094, 0.2585, 0.3288



74.4884, 0.2493, 0.3288



28.4878, 0.2496, 0.2704



10.2101, 0.2985, 0.3290



25.9933, 0.2246, 0.3286



0.9165, 0.2246, 0.3287

Inverse Universe

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



25.5736, 0.3173, 0.2324



40.2590, 0.3182, 0.2127



33.1097, 0.3901, 0.3807



9.1627, 0.3138, 0.3065



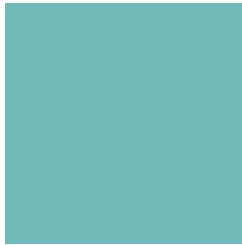
9.4064, 0.3210, 0.1542



0.3316, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 42.1077, 0.2585, 0.3288 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 42.1077, 0.2585, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

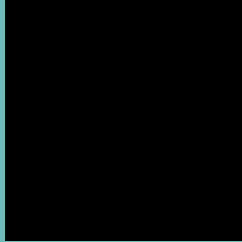
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

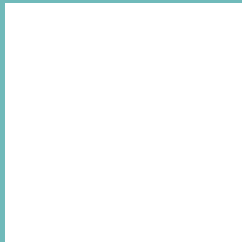
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1077, 0.2585, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 42.1077, 0.2585, 0.3288.

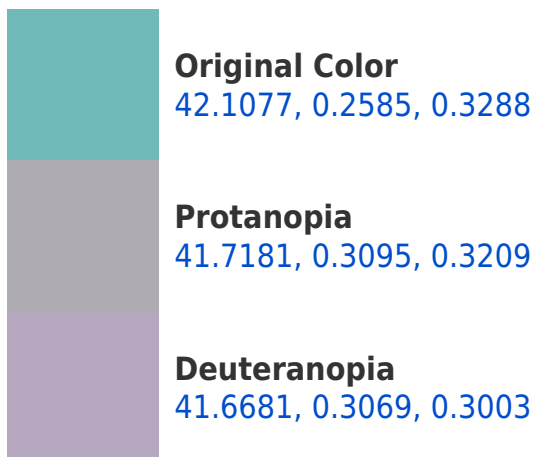


This preview shows how white text looks on a background with the Yxy color 42.1077, 0.2585, 0.3288.

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

42.1175, 0.2527, 0.3072

Trichromacy



Original Color

42.1077, 0.2585, 0.3288

Protanomaly

41.3598, 0.2878, 0.3233

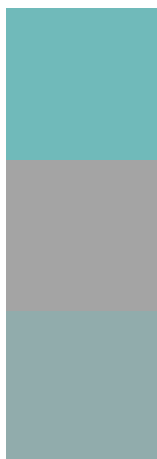
Deuteranomaly

41.5022, 0.2866, 0.3096

Tritanomaly

42.2378, 0.2553, 0.3157

Monochromacy



Original Color

42.1077, 0.2585, 0.3288

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.5033, 0.2894, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1077, 0.2585, 0.3288 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(112, 186, 186)` looks like.

```
.text, #text, p{  
    color:rgb(112, 186, 186)  
}
```

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(112, 186, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 186, 186) }
```

Border

The CSS property to change the border of an element to Yxy 42.1077, 0.2585, 0.3288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

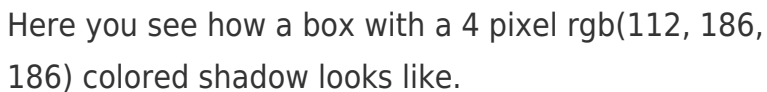
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 186, 186) }
```

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

```
.border{ border-color:rgb(112, 186, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 186, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 186, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 186, 186); box-shadow:4px 4px 4px 4px rgb(112, 186, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1077, 0.2585, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 186, 186) }
```

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

```
.background{ background-color: rgb(112,  
186, 186) }
```

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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