

Converting Colors

$Y_{xy}(42.8005, 0.2492, 0.3123)$

Have a look what the booklet for
Yxy(42.8005, 0.2492, 0.3123)
contains.

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Color

Yxy(42.8060, 0.2495, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	6CBBC6
RGB	108, 187, 198
RGB Percent	42%, 73%, 78%
CMY	0.5767, 0.2666, 0.2235
CMYK	0.45, 0.06, 0.00, 0.22
HSL	187°, 44%, 60%
HSV	187°, 45%, 78%
XYZ	34.1435, 42.8060, 59.8983
YIQ	164.6330, -50.6150, -13.3270

Conversions

Conversions Part 2

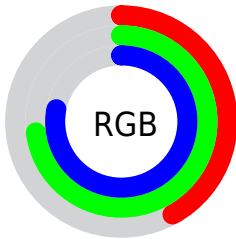
Format	Color
RYB	108, 150, 198
Decimal	7125958
CIELab	71.42, -21.39, -13.15
CIELCh	71, 25.106, 211.576
Yxy	42.8060, 0.2495, 0.3128
Android (android.graphics.Color)	4285316038 (0xFF6CBBC6)
YUV	164.6330, 16.4499, -49.6671
Hunter-Lab	65.4263, -21.3436, -8.4821

Details

The Yxy color **42.8060, 0.2495, 0.3128** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.2708, 0.4266, 0.3439**, and the grayscale version is **37.3748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2137, 0.2605, 0.3155**, and **19.7419, 0.2323, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **40.6866, 0.2389, 0.3087**, and if you desaturate by 10%, it is **45.2279, 0.2616, 0.3168**.

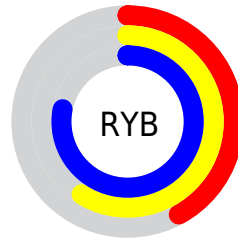
Distribution



Red (42%)

Green (73%)

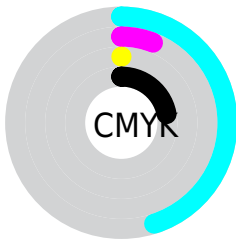
Blue (78%)



Red (42%)

Yellow (59%)

Blue (78%)

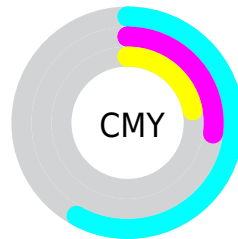


Cyan (45%)

Magenta (6%)

Yellow (0%)

Black (22%)



Cyan (58%)

Magenta (27%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8060, 0.2495, 0.3128 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 42.8060, 0.2495, 0.3128 by changing the saturation by 10% instead.


 42.8060, 0.2495,
0.3128


 42.8060, 0.2495,
0.3128


357.8133, 0.2808,
0.3217

 29.7329, 0.2418,
0.3103


 79.4180, 0.2608,
0.3162

 19.6360, 0.2320,
0.3070


 103.7258, 0.2651,
0.3175

 12.1307, 0.2191,
0.3023

 132.5472, 0.2687,
0.3185

 6.8328, 0.2015,
0.2954

 166.2667, 0.2718,
0.3193

 3.3577, 0.1762,
0.2841

205.2687, 0.2745,
0.3201

 1.3212, 0.1359,
0.2640

249.9375, 0.2769,

 0.1575, 0.0000,

0.3207

0.1257

300.6576, 0.2790,
0.3212

0.0000, 0.0000,
0.0000

42.8060, 0.2495,
0.3128

42.8060, 0.2495,
0.3128

40.6866, 0.2389,
0.3087

45.2279, 0.2616,
0.3168

38.8453, 0.2301,
0.3044

47.9649, 0.2750,
0.3205

37.2620, 0.2232,
0.3002


51.0349, 0.2893,
0.3241

35.9111, 0.2182,
0.2959


54.4529, 0.3043,
0.3273

34.7617, 0.2150,
0.2917


58.2330, 0.3197,
0.3303

 34.2811, 0.2138,
0.2898

 62.3884, 0.3352,
0.3330

 66.9318, 0.3506,
0.3354

 69.6575, 0.3568,
0.3377

 70.8342, 0.3563,
0.3402

Harmonies

Analogous

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



42.8060, 0.2687, 0.3476



42.8060, 0.2495, 0.3128



42.8060, 0.2463, 0.2854

Triad

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



42.8060, 0.2495, 0.3128



42.8060, 0.3225, 0.2860



42.8060, 0.3670, 0.3882

Complementary

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



42.8060, 0.2495, 0.3128



26.2708, 0.4266, 0.3439

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.



42.8060, 0.3836, 0.3675



42.8060, 0.2495, 0.3128



42.8060, 0.3574, 0.3099

Square

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



42.8060, 0.2495, 0.3128



42.8060, 0.2867, 0.2721



42.8060, 0.3803, 0.3390



42.8060, 0.3361, 0.3933

Rectangle

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



42.8060, 0.2495, 0.3128



42.8060, 0.2533, 0.2745



42.8060, 0.3803, 0.3390



42.8060, 0.3745, 0.3827

Sweetspot

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



42.8077, 0.2495, 0.3128



91.0950, 0.2912, 0.3245



44.8991, 0.2999, 0.4537



19.2285, 0.2880, 0.3238



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.



42.8077, 0.2495, 0.3128



71.9172, 0.2386, 0.3085



26.7488, 0.2372, 0.2430



11.8378, 0.2984, 0.3261



22.3742, 0.2140, 0.2904



1.1233, 0.2164, 0.2991

Inverse Universe

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



26.3092, 0.3299, 0.2307



39.6295, 0.3347, 0.2113



39.4576, 0.3983, 0.4012



10.7934, 0.3156, 0.3090



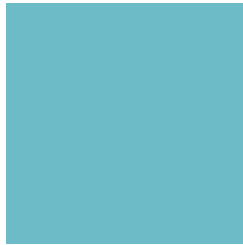
9.7987, 0.3540, 0.1724



0.4704, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 42.8060, 0.2495, 0.3128 looks on a white background.

Color Contrast Check

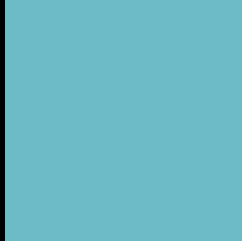
Large Text (above 18pt) WCAG AA × Fail

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 42.8060, 0.2495, 0.3128 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

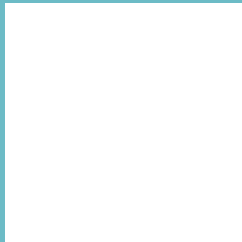
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8060, 0.2495, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 42.8060, 0.2495, 0.3128.

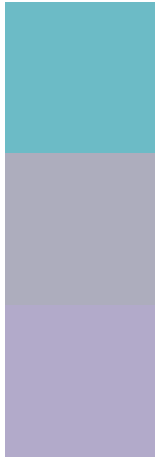


This preview shows how white text looks on a background with the Yxy color 42.8060, 0.2495, 0.3128.

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

42.8060, 0.2495, 0.3128

Protanopia

42.4455, 0.2998, 0.3077

Deuteranopia

42.4787, 0.2939, 0.2877



Tritanopia

42.5861, 0.2481, 0.3071

Trichromacy



Original Color

42.8060, 0.2495, 0.3128

Protanomaly

42.0361, 0.2785, 0.3094

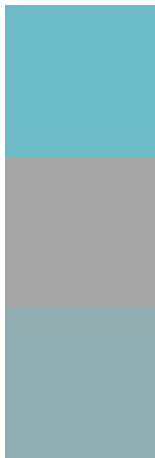
Deuteranomaly

42.0400, 0.2750, 0.2949

Tritanomaly

42.5392, 0.2487, 0.3085

Monochromacy



Original Color

42.8060, 0.2495, 0.3128

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.9908, 0.2849, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8060, 0.2495, 0.3128 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(108, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(108, 187, 198)  
}
```

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(108, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 187, 198) }
```

Border

The CSS property to change the border of an element to Yxy 42.8060, 0.2495, 0.3128 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(108, 187, 198) }
```

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

```
.border{ border-color:rgb(108, 187, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 187, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 187, 198);  
box-shadow:4px 4px 4px 4px rgb(108, 187,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8060, 0.2495, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 187, 198) }
```

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

```
.background{ background-color: rgb(108,  
187, 198) }
```

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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