

Converting Colors

$Y_{xy}(37.8619, 0.2301, 0.2930)$

Have a look what the booklet for
Yxy(37.8619, 0.2301, 0.2930)
contains.

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Color

Yxy(37.6828, 0.2299, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	4DB2CA
RGB	77, 178, 202
RGB Percent	30%, 70%, 79%
CMY	0.6983, 0.3019, 0.2078
CMYK	0.62, 0.12, 0.00, 0.21
HSL	192°, 54%, 55%
HSV	192°, 62%, 79%
XYZ	29.6383, 37.6828, 61.5971
YIQ	150.5370, -67.9000, -13.9480

Conversions

Conversions Part 2

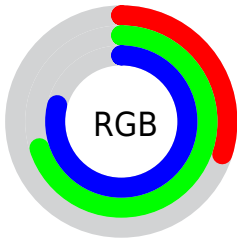
Format	Color
RYB	77, 133, 202
Decimal	5092042
CIELab	67.79, -22.09, -20.95
CIELCh	68, 30.445, 223.487
Yxy	37.6828, 0.2299, 0.2923
Android (android.graphics.Color)	4283282122 (0xFF4DB2CA)
YUV	150.5370, 25.3713, -64.4919
Hunter-Lab	61.3863, -21.2434, -16.5232

Details

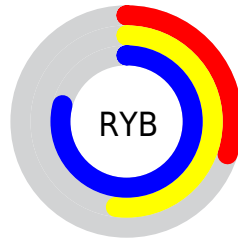
The Yxy color **37.6828, 0.2299, 0.2923** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **22.3883, 0.4858, 0.3584**, and the grayscale version is **30.6443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4689, 0.2469, 0.3044**, and **16.8053, 0.2110, 0.2797** is the 20% darker color. If you saturate the color by 10%, you get **35.4500, 0.2213, 0.2854**, and if you desaturate by 10%, it is **40.2228, 0.2403, 0.2991**.

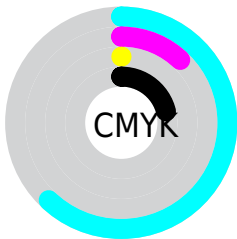
Distribution



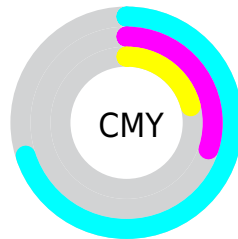
- Red (30%)
- Green (70%)
- Blue (79%)



- Red (30%)
- Yellow (52%)
- Blue (79%)



- Cyan (62%)
- Magenta (12%)
- Yellow (0%)
- Black (21%)





- Cyan (70%)
- Magenta (30%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6828, 0.2299, 0.2923 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 37.6828, 0.2299, 0.2923 by changing the saturation by 10% instead.

 37.6828, 0.2299,
0.2923


 37.6828, 0.2299,
0.2923

336.2573, 0.2713,
0.3123

 25.7366, 0.2197,
0.2869


 71.6217, 0.2449,
0.2999

 16.6267, 0.2067,
0.2796


 94.3832, 0.2505,
0.3027

 9.9687, 0.1897,
0.2695


 121.5185, 0.2553,
0.3049

 5.3782, 0.1667,
0.2548

 153.4122, 0.2594,
0.3069

 2.4708, 0.1344,
0.2316

190.4485, 0.2630,
0.3085

 0.8620, 0.0639,
0.1968

233.0118, 0.2661,

 0.0000, 0.0000,

0.3099

0.0000

281.4866, 0.2689,
0.3112

■ 37.6828, 0.2299,
0.2923

■ 37.6828, 0.2299,
0.2923

■ 35.4500, 0.2213,
0.2854

■ 40.2228, 0.2403,
0.2991

■ 33.4947, 0.2147,
0.2784

■ 43.0880, 0.2522,
0.3057

■ 31.7881, 0.2100,
0.2715

■ 46.2997, 0.2654,
0.3119

■ 30.5464, 0.2072,
0.2659

■ 49.8762, 0.2796,
0.3177

■ 53.8342, 0.2945,
0.3232

■ 58.1893, 0.3098,
0.3281

■ 62.9564, 0.3251,
0.3326

■ 68.1492, 0.3404,
0.3366

■ 73.0642, 0.3524,
0.3402

Harmonies

Analogous

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



37.6828, 0.2457, 0.3341



37.6828, 0.2299, 0.2923



37.6828, 0.2341, 0.2649

Triad

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



37.6828, 0.2299, 0.2923



37.6828, 0.3432, 0.2860



37.6828, 0.3666, 0.4094

Complementary

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



37.6828, 0.2299, 0.2923



22.3883, 0.4858, 0.3584

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.



37.6828, 0.3965, 0.3886



37.6828, 0.2299, 0.2923



37.6828, 0.3834, 0.3185

Square

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



37.6828, 0.2299, 0.2923



37.6828, 0.2967, 0.2636



37.6828, 0.4033, 0.3551



37.6828, 0.3234, 0.4071

Rectangle

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



37.6828, 0.2299, 0.2923



37.6828, 0.2477, 0.2567



37.6828, 0.4033, 0.3551



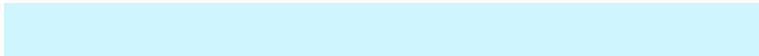
37.6828, 0.3786, 0.4045

Sweetspot

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



37.6842, 0.2299, 0.2923



86.1508, 0.2835, 0.3192



44.7404, 0.2926, 0.4945



18.0395, 0.2793, 0.3176



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.



37.6842, 0.2299, 0.2923



58.9398, 0.2191, 0.2832



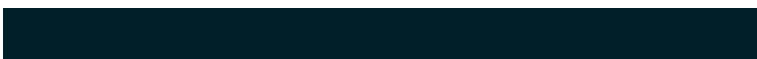
18.4554, 0.2067, 0.1905



12.3468, 0.2983, 0.3244



19.7776, 0.2075, 0.2668



1.1168, 0.2112, 0.2803

Inverse Universe

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



21.0712, 0.3489, 0.2097



30.2948, 0.3587, 0.1942



39.0769, 0.4286, 0.4328



11.3654, 0.3166, 0.3105



9.7995, 0.3758, 0.1844



0.5153, 0.3632, 0.1774

Previews

White Background



This preview shows how the Yxy color 37.6828, 0.2299, 0.2923 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 37.6828, 0.2299, 0.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

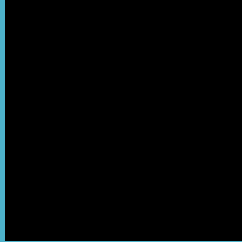
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6828, 0.2299, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 37.6828, 0.2299, 0.2923.



This preview shows how white text looks on a background with the Yxy color 37.6828, 0.2299, 0.2923.

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

37.6828, 0.2299, 0.2923

Protanopia

37.3711, 0.2852, 0.2888

Deuteranopia

37.3169, 0.2745, 0.2683



Tritanopia

37.5517, 0.2327, 0.3055

Trichromacy



Original Color

37.6828, 0.2299, 0.2923

Protanomaly

36.6579, 0.2595, 0.2881

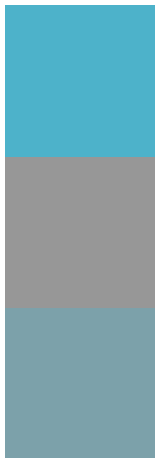
Deuteranomaly

36.7123, 0.2536, 0.2747

Tritanomaly

37.7273, 0.2316, 0.3010

Monochromacy



Original Color

37.6828, 0.2299, 0.2923

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.6771, 0.2727, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6828, 0.2299, 0.2923 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(77, 178, 202)` looks like.

```
.text, #text, p{  
    color:rgb(77, 178, 202)  
}
```

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(77, 178, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 178, 202) }
```

Border

The CSS property to change the border of an element to Yxy 37.6828, 0.2299, 0.2923 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(77, 178, 202) }
```

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

```
.border{ border-color:rgb(77, 178, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 178, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 178, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 178, 202);  
box-shadow:4px 4px 4px 4px rgb(77, 178,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6828, 0.2299, 0.2923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 178, 202) }
```

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

```
.background{ background-color: rgb(77, 178,  
202) }
```

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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