

Converting Colors

$Y_{xy}(36.8410, 0.2292, 0.2956)$

Have a look what the booklet for
Yxy(36.8410, 0.2292, 0.2956)
contains.

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Color

Yxy(36.8992, 0.2296, 0.2963)

Conversions

Conversions Part 1

Format	Color
Hex	48B1C6
RGB	72, 177, 198
RGB Percent	28%, 69%, 78%
CMY	0.7173, 0.3059, 0.2235
CMYK	0.64, 0.11, 0.00, 0.22
HSL	190°, 52%, 53%
HSV	190°, 64%, 78%
XYZ	28.5928, 36.8992, 59.0412
YIQ	147.9990, -69.3210, -15.7290

Conversions

Conversions Part 2

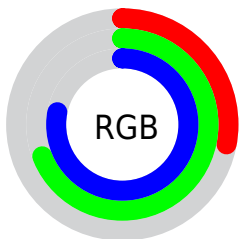
Format	Color
RYB	72, 129, 198
Decimal	4764102
CIELab	67.20, -23.60, -19.64
CIELCh	67, 30.705, 219.764
Yxy	36.8992, 0.2296, 0.2963
Android (android.graphics.Color)	4282954182 (0xFF48B1C6)
YUV	147.9990, 24.6505, -66.6511
Hunter-Lab	60.7447, -22.2824, -15.1060

Details

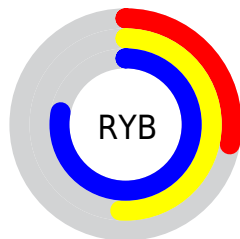
The Yxy color **36.8992, 0.2296, 0.2963** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.3228, 0.4955, 0.3548**, and the grayscale version is **29.5421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4844, 0.2445, 0.3031**, and **16.4289, 0.2126, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **34.9677, 0.2217, 0.2903**, and if you desaturate by 10%, it is **39.1102, 0.2393, 0.3022**.

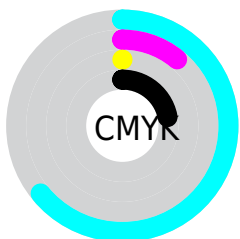
Distribution



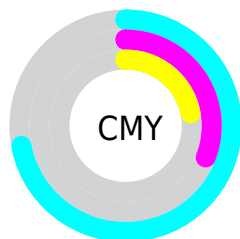
- Red (28%)
- Green (69%)
- Blue (78%)



- Red (28%)
- Yellow (51%)
- Blue (78%)



- Cyan (64%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)





- Cyan (72%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8992, 0.2296, 0.2963 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 36.8992, 0.2296, 0.2963 by changing the saturation by 10% instead.


 36.8992, 0.2296,
0.2963


 36.8992, 0.2296,
0.2963


332.8739, 0.2713,
0.3143


 25.1295, 0.2193,
0.2913


 70.4177, 0.2447,
0.3032

 16.1735, 0.2061,
0.2846


 92.9353, 0.2504,
0.3057

 9.6470, 0.1888,
0.2751


 119.8043, 0.2553,
0.3078

 5.1656, 0.1653,
0.2611

 151.4090, 0.2594,
0.3095

 2.3447, 0.1321,
0.2386

188.1340, 0.2630,
0.3110

 0.7972, 0.0470,
0.2062

230.3635, 0.2661,

 0.0000, 0.0000,

0.3123

0.0000

278.4820, 0.2689,
0.3134

■ 36.8992, 0.2296,
0.2963

■ 36.8992, 0.2296,
0.2963

■ 34.9677, 0.2217,
0.2903

■ 39.1102, 0.2393,
0.3022

■ 33.2868, 0.2157,
0.2844

■ 41.6179, 0.2507,
0.3079

■ 31.8281, 0.2116,
0.2784

■ 44.4430, 0.2635,
0.3133

■ 30.9742, 0.2096,
0.2747

■ 47.6028, 0.2774,
0.3184

■ 51.1135, 0.2921,
0.3232

■ 54.9899, 0.3072,
0.3275

■ 59.2463, 0.3226,
0.3315

■ 63.8957, 0.3379,
0.3351

■ 68.9508, 0.3530,
0.3382

Harmonies

Analogous

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



36.8992, 0.2480, 0.3400



36.8992, 0.2296, 0.2963



36.8992, 0.2314, 0.2664

Triad

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



36.8992, 0.2296, 0.2963



36.8992, 0.3378, 0.2819



36.8992, 0.3721, 0.4091

Complementary

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



36.8992, 0.2296, 0.2963



20.3228, 0.4955, 0.3548

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.



36.8992, 0.4001, 0.3856



36.8992, 0.2296, 0.2963



36.8992, 0.3803, 0.3138

Square

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



36.8992, 0.2296, 0.2963



36.8992, 0.2908, 0.2608



36.8992, 0.4037, 0.3508



36.8992, 0.3293, 0.4102

Rectangle

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



36.8992, 0.2296, 0.2963



36.8992, 0.2436, 0.2566



36.8992, 0.4037, 0.3508



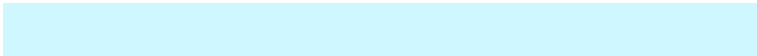
36.8992, 0.3836, 0.4032

Sweetspot

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



36.9006, 0.2296, 0.2963



86.8907, 0.2836, 0.3205



42.5620, 0.2934, 0.5025



18.2204, 0.2794, 0.3191



0.0000, 0.0000, 0.0000



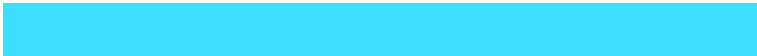
21.4041, 0.3127, 0.3290

Same Dimension

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



36.9006, 0.2296, 0.2963



60.8139, 0.2194, 0.2882



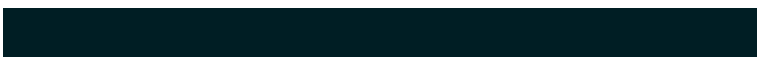
17.5087, 0.2049, 0.1899



11.7546, 0.2984, 0.3250



20.2511, 0.2099, 0.2755



1.0411, 0.2133, 0.2877

Inverse Universe

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



19.8277, 0.3458, 0.2044



29.9284, 0.3545, 0.1888



36.2635, 0.4336, 0.4325



10.7851, 0.3163, 0.3100



9.5843, 0.3677, 0.1799



0.4621, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 36.8992, 0.2296, 0.2963 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 36.8992, 0.2296, 0.2963 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 36.8992, 0.2296, 0.2963

Background



This preview shows how black text looks on a background with the Yxy color 36.8992, 0.2296, 0.2963.



This preview shows how white text looks on a background with the Yxy color 36.8992, 0.2296, 0.2963.

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

36.8992, 0.2296, 0.2963

Protanopia

36.3467, 0.2881, 0.2924

Deuteranopia

36.3296, 0.2764, 0.2703



Tritanopia

36.9118, 0.2318, 0.3068

Trichromacy



Original Color

36.8992, 0.2296, 0.2963

Protanomaly

35.9110, 0.2612, 0.2933

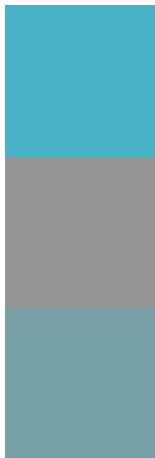
Deuteranomaly

36.0015, 0.2545, 0.2782

Tritanomaly

37.0379, 0.2312, 0.3038

Monochromacy



Original Color

36.8992, 0.2296, 0.2963

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.5425, 0.2721, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8992, 0.2296, 0.2963 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(72, 177, 198)` looks like.

```
.text, #text, p{  
    color:rgb(72, 177, 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(72, 177, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 177, 198) }
```

Border

The CSS property to change the border of an element to Yxy 36.8992, 0.2296, 0.2963 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(72, 177, 198) }
```

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

```
.border{ border-color:rgb(72, 177, 198) }
```

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

Here you see how a box with a 4 pixel rgb(72, 177, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 177, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 177, 198);  
box-shadow:4px 4px 4px 4px rgb(72, 177,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8992, 0.2296, 0.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 177, 198) }
```

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

```
.background{ background-color: rgb(72, 177,  
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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