

Converting Colors

$Yxy(36.8446, 0.1773, 0.2946)$

Have a look what the booklet for
Yxy(36.8446, 0.1773, 0.2946)
contains.

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Color

Yxy(40.5699, 0.2158, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	00BCD1
RGB	0, 188, 209
RGB Percent	0%, 74%, 82%
CMY	1.0000, 0.2627, 0.1805
CMYK	1.00, 0.10, 0.00, 0.18
HSL	186°, 100%, 41%
HSV	186°, 100%, 82%
XYZ	29.4880, 40.5699, 66.5871
YIQ	134.1820, -118.7890, -33.3250

Conversions

Conversions Part 2

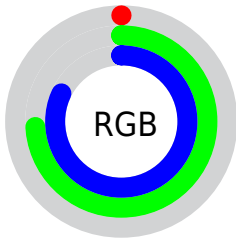
Format	Color
RYB	0, 99, 209
Decimal	48337
CIELab	69.87, -31.66, -21.70
CIELCh	70, 38.385, 214.432
Yxy	40.5699, 0.2158, 0.2969
Android (android.graphics.Color)	4278238417 (0xFF00BCD1)
YUV	134.1820, 36.8853, -117.6776
Hunter-Lab	63.6945, -28.8271, -17.3964

Details

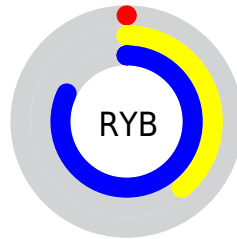
The Yxy color **40.5699, 0.2158, 0.2969** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **14.0884, 0.6328, 0.3357**, and the grayscale version is **23.8062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5281, 0.2373, 0.3170**, and **19.4168, 0.2128, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **40.5726, 0.2158, 0.2969**, and if you desaturate by 10%, it is **41.6337, 0.2182, 0.3003**.

Distribution



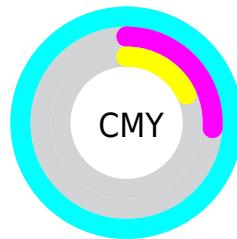
- Red (0%)
- Green (74%)
- Blue (82%)



- Red (0%)
- Yellow (39%)
- Blue (82%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)




- Cyan (100%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5699, 0.2158, 0.2969 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 40.5699, 0.2158, 0.2969 by changing the saturation by 10% instead.


 40.5699, 0.2158,
0.2969


 40.5699, 0.2158,
0.2969


348.5198, 0.2633,
0.3149


 27.9832, 0.2044,
0.2919


 76.0306, 0.2328,
0.3038

 18.3130, 0.1901,
0.2852


 99.6733, 0.2392,
0.3063

 11.1749, 0.1718,
0.2758


 127.7701, 0.2447,
0.3084

 6.1846, 0.1475,
0.2620

 160.7054, 0.2495,
0.3101

 2.9577, 0.1148,
0.2402

 198.8637, 0.2536,
0.3116

 1.1097, 0.0498,
0.2076

242.6292, 0.2572,

 0.0000, 0.0000,

0.3128

0.0000

292.3865, 0.2604,
0.3139

■ 40.5699, 0.2158,
0.2969

■ 40.5699, 0.2158,
0.2969

■ 40.5726, 0.2158,
0.2969

■ 41.6337, 0.2182,
0.3003

■ 42.8792, 0.2221,
0.3038

■ 44.3671, 0.2278,
0.3072

■ 46.1287, 0.2355,
0.3107

■ 48.1906, 0.2450,
0.3141

■ 50.5762, 0.2562,
0.3175

■ 53.3064, 0.2688,
0.3206

■ 56.4003, 0.2827,
0.3236

■ 59.8756, 0.2974,
0.3264

Harmonies

Analogous

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



40.5699, 0.2412, 0.3520



40.5699, 0.2158, 0.2969



40.5699, 0.2139, 0.2581

Triad

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



40.5699, 0.2158, 0.2969



40.5699, 0.3324, 0.2674



40.5699, 0.3912, 0.4216

Complementary

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



40.5699, 0.2158, 0.2969



14.0884, 0.6328, 0.3357

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.



40.5699, 0.4212, 0.3886



40.5699, 0.2158, 0.2969



40.5699, 0.3867, 0.3029

Square

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



40.5699, 0.2158, 0.2969



40.5699, 0.2767, 0.2454



40.5699, 0.4203, 0.3457



40.5699, 0.3415, 0.4307

Rectangle

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



40.5699, 0.2158, 0.2969



40.5699, 0.2254, 0.2445



40.5699, 0.4203, 0.3457



40.5699, 0.4040, 0.4125

Sweetspot

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



40.5726, 0.2158, 0.2969



83.4626, 0.2684, 0.3205



45.6469, 0.2983, 0.5937



17.4607, 0.2628, 0.3192



0.0000, 0.0000, 0.0000



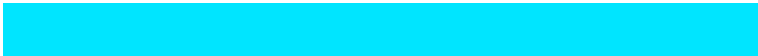
21.4041, 0.3127, 0.3290

Same Dimension

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



40.5726, 0.2158, 0.2969



63.4832, 0.2157, 0.2965



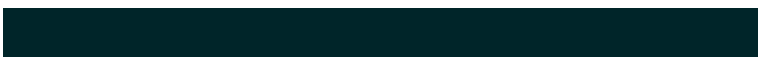
10.8804, 0.1680, 0.1248



13.1958, 0.2983, 0.3266



25.1030, 0.2160, 0.2974



1.4635, 0.2177, 0.3037

Inverse Universe

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



17.1842, 0.3482, 0.1692



26.9398, 0.3485, 0.1693



28.3193, 0.5127, 0.4311



11.9877, 0.3153, 0.3083



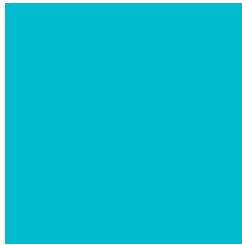
10.6054, 0.3477, 0.1689



0.5990, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 40.5699, 0.2158, 0.2969 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 40.5699, 0.2158, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

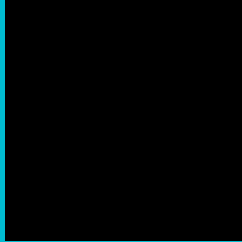
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5699, 0.2158, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 40.5699, 0.2158, 0.2969.



This preview shows how white text looks on a background with the Yxy color 40.5699, 0.2158, 0.2969.

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

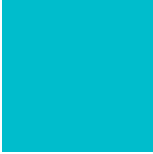
40.5699, 0.2158, 0.2969

Protanopia

39.9901, 0.2875, 0.2912

Deuteranopia

39.9140, 0.2726, 0.2662



Tritanopia

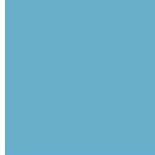
40.7548, 0.2183, 0.3057

Trichromacy



Original Color

40.5699, 0.2158, 0.2969



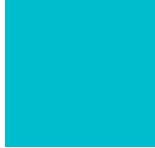
Protanomaly

37.8802, 0.2429, 0.2903



Deuteranomaly

37.9686, 0.2362, 0.2740



Tritanomaly

40.8514, 0.2174, 0.3028

Monochromacy



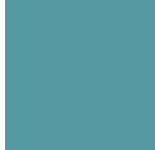
Original Color

40.5699, 0.2158, 0.2969



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.6157, 0.2491, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5699, 0.2158, 0.2969 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(0, 188, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 209)  
}
```

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(0, 188, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 209) }
```

Border

The CSS property to change the border of an element to Yxy 40.5699, 0.2158, 0.2969 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(0, 188, 209) }
```

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

```
.border{ border-color:rgb(0, 188, 209) }
```

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

Here you see how a box with a 4 pixel rgb(0, 188, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5699, 0.2158, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 209) }
```

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

```
.background{ background-color: rgb(0, 188,  
209) }
```

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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