

Converting Colors

$Y_{xy}(38.1972, 0.1947, 0.3058)$

Have a look what the booklet for
Yxy(38.1972, 0.1947, 0.3058)
contains.

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Color

Yxy(40.7070, 0.2187, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	00BDCB
RGB	0, 189, 203
RGB Percent	0%, 74%, 80%
CMY	0.9982, 0.2588, 0.2040
CMYK	1.00, 0.07, 0.00, 0.20
HSL	184°, 100%, 40%
HSV	184°, 100%, 80%
XYZ	28.9799, 40.7070, 62.8229
YIQ	134.0850, -117.1380, -35.7140

Conversions

Conversions Part 2

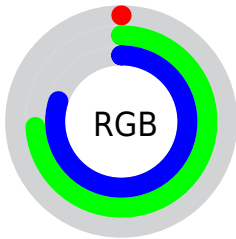
Format	Color
RYB	0, 98, 203
Decimal	48587
CIELab	69.97, -34.03, -18.28
CIELCh	70, 38.629, 208.237
Yxy	40.7070, 0.2187, 0.3072
Android (android.graphics.Color)	4278238667 (0xFF00BDCB)
YUV	134.0850, 33.9751, -117.5925
Hunter-Lab	63.8020, -30.5761, -13.7187

Details

The Yxy color **40.7070, 0.2187, 0.3072** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **13.0225, 0.6351, 0.3336**, and the grayscale version is **23.8302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0746, 0.2372, 0.3182**, and **19.4979, 0.2166, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **40.6919, 0.2187, 0.3072**, and if you desaturate by 10%, it is **41.4686, 0.2208, 0.3095**.

Distribution



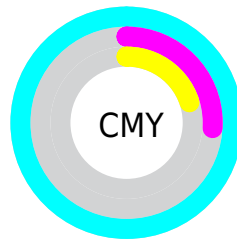
- Red (0%)
- Green (74%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7070, 0.2187, 0.3072 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 40.7070, 0.2187, 0.3072 by changing the saturation by 10% instead.


 40.7070, 0.2187,
0.3072


 40.7070, 0.2187,
0.3072


349.0945, 0.2649,
0.3199

 28.0902, 0.2075,
0.3035


 76.2389, 0.2352,
0.3122

 18.3937, 0.1935,
0.2984


 99.9228, 0.2415,
0.3140


 11.2330, 0.1754,
0.2912


 128.0646, 0.2469,
0.3154

 6.2238, 0.1513,
0.2802

 161.0485, 0.2515,
0.3166

 2.9816, 0.1185,
0.2621

 199.2591, 0.2555,
0.3177

 1.1221, 0.0459,
0.2361

243.0807, 0.2591,

 0.0000, 0.0000,

0.3185

0.0000

292.8977, 0.2622,
0.3193

■ 40.7070, 0.2187,
0.3072

■ 40.7070, 0.2187,
0.3072

■ 40.6919, 0.2187,
0.3072

■ 41.4686, 0.2208,
0.3095

■ 42.3965, 0.2243,
0.3118

■ 43.5454, 0.2297,
0.3142

■ 44.9442, 0.2370,
0.3165

■ 46.6177, 0.2462,
0.3188

■ 48.5874, 0.2571,
0.3211

■ 50.8727, 0.2695,
0.3233

■ 53.4913, 0.2832,
0.3253

■ 56.4598, 0.2978,
0.3273

Harmonies

Analogous

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



40.7070, 0.2488, 0.3642



40.7070, 0.2187, 0.3072



40.7070, 0.2119, 0.2640

Triad

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



40.7070, 0.2187, 0.3072



40.7070, 0.3204, 0.2613



40.7070, 0.3999, 0.4167

Complementary

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



40.7070, 0.2187, 0.3072



13.0225, 0.6351, 0.3336

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.



40.7070, 0.4243, 0.3803



40.7070, 0.2187, 0.3072



40.7070, 0.3769, 0.2946

Square

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



40.7070, 0.2187, 0.3072



40.7070, 0.2664, 0.2426



40.7070, 0.4164, 0.3366



40.7070, 0.3528, 0.4321

Rectangle

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



40.7070, 0.2187, 0.3072



40.7070, 0.2204, 0.2473



40.7070, 0.4164, 0.3366



40.7070, 0.4111, 0.4061

Sweetspot

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



40.7085, 0.2187, 0.3072



84.9383, 0.2687, 0.3232



42.7418, 0.2989, 0.5960



17.8192, 0.2632, 0.3222



0.0000, 0.0000, 0.0000



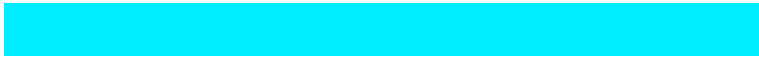
21.4041, 0.3127, 0.3290

Same Dimension

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



40.7085, 0.2187, 0.3072



68.0101, 0.2186, 0.3069



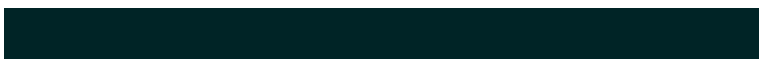
11.3303, 0.1711, 0.1356



12.5891, 0.2984, 0.3273



25.9539, 0.2187, 0.3075



1.3797, 0.2200, 0.3120

Inverse Universe

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



16.3791, 0.3391, 0.1643



27.3968, 0.3394, 0.1643



25.0094, 0.5217, 0.4238



11.3899, 0.3148, 0.3077



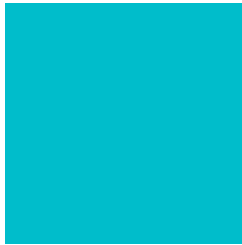
10.4231, 0.3389, 0.1641



0.5418, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 40.7070, 0.2187, 0.3072 looks on a white background.

Color Contrast Check

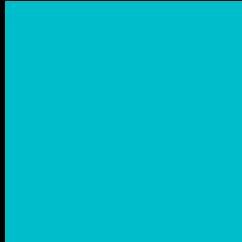
Large Text (above 18pt) WCAG AA × Fail

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 40.7070, 0.2187, 0.3072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

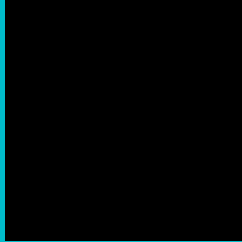
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7070, 0.2187, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 40.7070, 0.2187, 0.3072.

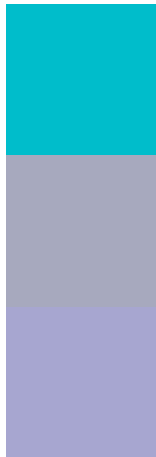


This preview shows how white text looks on a background with the Yxy color 40.7070, 0.2187, 0.3072.

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

40.7070, 0.2187, 0.3072

Protanopia

40.3091, 0.2938, 0.3005

Deuteranopia

40.0420, 0.2801, 0.2738



Tritanopia

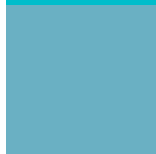
40.8330, 0.2190, 0.3058

Trichromacy



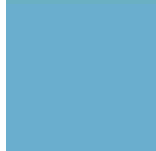
Original Color

40.7070, 0.2187, 0.3072



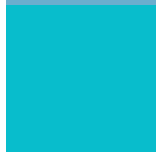
Protanomaly

38.0550, 0.2472, 0.3004



Deuteranomaly

37.7925, 0.2404, 0.2820



Tritanomaly

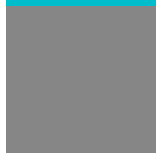
40.8064, 0.2188, 0.3057

Monochromacy



Original Color

40.7070, 0.2187, 0.3072



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.5457, 0.2504, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7070, 0.2187, 0.3072 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, 189, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 203)  
}
```

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, 189, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 203) }
```

Border

The CSS property to change the border of an element to Yxy 40.7070, 0.2187, 0.3072 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, 189, 203) }
```

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

```
.border{ border-color:rgb(0, 189, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 189, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 189, 203); box-shadow:4px 4px 4px 4px rgb(0, 189, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7070, 0.2187, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 203) }
```

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

```
.background{ background-color: rgb(0, 189,  
203) }
```

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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