

Converting Colors

$Y_{xy}(40.6464, 0.2182, 0.3053)$

Have a look what the booklet for
Yxy(40.6464, 0.2182, 0.3053)
contains.

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Color

Yxy(40.7613, 0.2183, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	01BDCC
RGB	1, 189, 204
RGB Percent	0%, 74%, 80%
CMY	0.9971, 0.2588, 0.1999
CMYK	1.00, 0.07, 0.00, 0.20
HSL	184°, 99%, 40%
HSV	184°, 100%, 80%
XYZ	29.1076, 40.7613, 63.4687
YIQ	134.4980, -116.8630, -35.1910

Conversions

Conversions Part 2

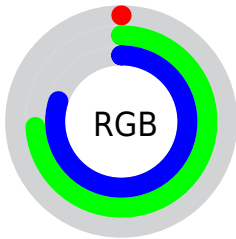
Format	Color
RYB	1, 99, 204
Decimal	114124
CIELab	70.01, -33.70, -18.78
CIELCh	70, 38.582, 209.126
Yxy	40.7613, 0.2183, 0.3057
Android (android.graphics.Color)	4278304204 (0xFF01BDCC)
YUV	134.4980, 34.2645, -117.0777
Hunter-Lab	63.8446, -30.3475, -14.2497

Details

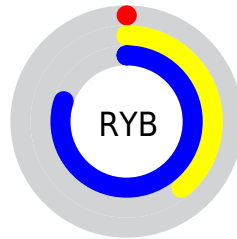
The Yxy color **40.7613, 0.2183, 0.3057** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **13.2041, 0.6345, 0.3339**, and the grayscale version is **23.9077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0746, 0.2372, 0.3182**, and **19.5300, 0.2161, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **40.7347, 0.2182, 0.3056**, and if you desaturate by 10%, it is **41.5704, 0.2204, 0.3082**.

Distribution



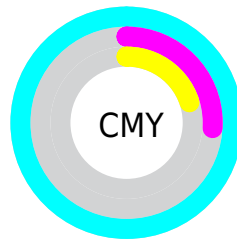
- Red (0%)
- Green (74%)
- Blue (80%)



- Red (0%)
- Yellow (39%)
- 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 40.7613, 0.2183, 0.3057 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 40.7613, 0.2183, 0.3057 by changing the saturation by 10% instead.

 40.7613, 0.2183,
0.3057


 40.7613, 0.2183,
0.3057


349.3220, 0.2647,
0.3192


 28.1326, 0.2071,
0.3018


 76.3214, 0.2349,
0.3110


 18.4257, 0.1931,
0.2965


 100.0216, 0.2412,
0.3129

 11.2560, 0.1749,
0.2889


 128.1811, 0.2466,
0.3144

 6.2393, 0.1509,
0.2775

 161.1843, 0.2512,
0.3157

 2.9911, 0.1181,
0.2589

 199.4156, 0.2552,
0.3168

 1.1271, 0.0474,
0.2318

243.2594, 0.2588,

 0.0009, 0.0000,

0.3177

0.0007

293.1001, 0.2619,
0.3185

■ 0.0000, 0.0000,
0.0000

■ 40.7613, 0.2183,
0.3057

■ 40.7613, 0.2183,
0.3057

■ 40.7347, 0.2182,
0.3056

■ 41.5704, 0.2204,
0.3082

■ 42.5503, 0.2241,
0.3106

■ 43.7549, 0.2295,
0.3132

■ 45.2136, 0.2369,
0.3157

■ 46.9514, 0.2462,
0.3182

■ 48.9900, 0.2572,
0.3206

■ 51.3491, 0.2696,
0.3229

■ 54.0467, 0.2833,
0.3251

■ 57.0993, 0.2980,
0.3272

Harmonies

Analogous

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



40.7613, 0.2477, 0.3624



40.7613, 0.2183, 0.3057



40.7613, 0.2122, 0.2632

Triad

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



40.7613, 0.2183, 0.3057



40.7613, 0.3221, 0.2622



40.7613, 0.3986, 0.4174

Complementary

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



40.7613, 0.2183, 0.3057



13.2041, 0.6345, 0.3339

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.



40.7613, 0.4239, 0.3815



40.7613, 0.2183, 0.3057



40.7613, 0.3783, 0.2958

Square

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



40.7613, 0.2183, 0.3057



40.7613, 0.2679, 0.2430



40.7613, 0.4170, 0.3379



40.7613, 0.3512, 0.4319

Rectangle

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



40.7613, 0.2183, 0.3057



40.7613, 0.2211, 0.2469



40.7613, 0.4170, 0.3379



40.7613, 0.4101, 0.4070

Sweetspot

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



40.7628, 0.2183, 0.3057



84.7133, 0.2686, 0.3228



43.2299, 0.2989, 0.5959



17.7645, 0.2632, 0.3218



0.0000, 0.0000, 0.0000



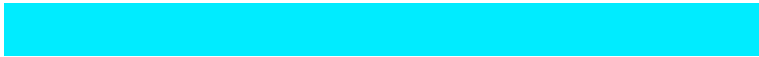
21.4041, 0.3127, 0.3290

Same Dimension

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



40.7628, 0.2183, 0.3057



67.3104, 0.2181, 0.3053



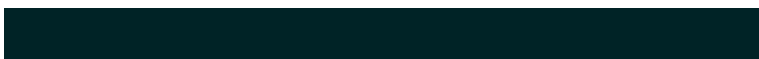
11.4804, 0.1711, 0.1358



12.5797, 0.2984, 0.3272



25.6945, 0.2183, 0.3060



1.3688, 0.2197, 0.3108

Inverse Universe

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



16.5298, 0.3404, 0.1650



27.3262, 0.3408, 0.1651



25.3149, 0.5215, 0.4238



11.3889, 0.3149, 0.3078



10.3969, 0.3402, 0.1648



0.5407, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 40.7613, 0.2183, 0.3057 looks on a white background.

Color Contrast Check

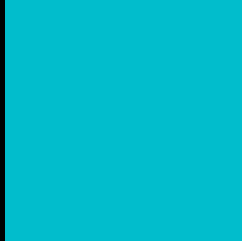
Large Text (above 18pt) WCAG AA × Fail

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 40.7613, 0.2183, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

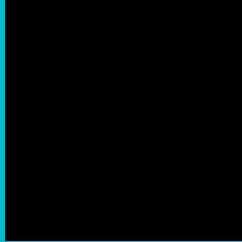
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7613, 0.2183, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 40.7613, 0.2183, 0.3057.



This preview shows how white text looks on a background with the Yxy color 40.7613, 0.2183, 0.3057.

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

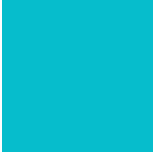
40.7613, 0.2183, 0.3057

Protanopia

40.3530, 0.2931, 0.2992

Deuteranopia

40.0914, 0.2793, 0.2726



Tritanopia

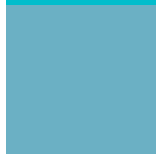
40.7935, 0.2186, 0.3057

Trichromacy



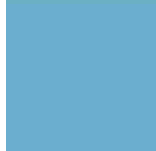
Original Color

40.7613, 0.2183, 0.3057



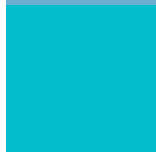
Protanomaly

38.1620, 0.2472, 0.2990



Deuteranomaly

37.9029, 0.2405, 0.2808



Tritanomaly

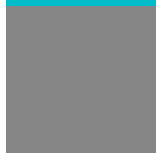
40.7806, 0.2185, 0.3057

Monochromacy



Original Color

40.7613, 0.2183, 0.3057



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.5928, 0.2511, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7613, 0.2183, 0.3057 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(1, 189, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 189, 204)  
}
```

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(1, 189, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 189, 204) }
```

Border

The CSS property to change the border of an element to Yxy 40.7613, 0.2183, 0.3057 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(1, 189, 204) }
```

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

```
.border{ border-color:rgb(1, 189, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 189, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 189, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 189, 204);  
box-shadow:4px 4px 4px 4px rgb(1, 189,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7613, 0.2183, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 189, 204) }
```

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

```
.background{ background-color: rgb(1, 189,  
204) }
```

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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