

Converting Colors

$Y_{xy}(40.2890, 0.2209, 0.3138)$

Have a look what the booklet for
Yxy(40.2890, 0.2209, 0.3138)
contains.

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Color

Yxy(40.0824, 0.2207, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	06BCC6
RGB	6, 188, 198
RGB Percent	2%, 74%, 78%
CMY	0.9759, 0.2627, 0.2235
CMYK	0.97, 0.05, 0.00, 0.22
HSL	183°, 94%, 40%
HSV	183°, 97%, 78%
XYZ	28.2535, 40.0824, 59.6819
YIQ	134.7220, -111.6820, -35.4740

Conversions

Conversions Part 2

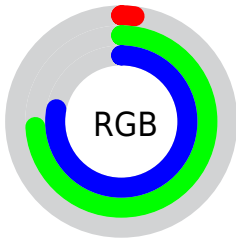
Format	Color
RYB	6, 99, 198
Decimal	441542
CIELab	69.53, -34.96, -16.22
CIELCh	70, 38.540, 204.882
Yxy	40.0824, 0.2207, 0.3131
Android (android.graphics.Color)	4278631622 (0xFF06BCC6)
YUV	134.7220, 31.1961, -112.8892
Hunter-Lab	63.3107, -31.1348, -11.5743

Details

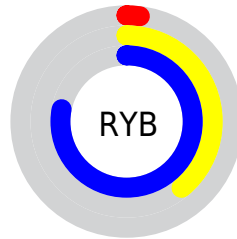
The Yxy color **40.0824, 0.2207, 0.3131** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.3965, 0.6314, 0.3329**, and the grayscale version is **24.0504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4679, 0.2369, 0.3170**, and **19.0638, 0.2188, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **39.9075, 0.2202, 0.3126**, and if you desaturate by 10%, it is **40.7063, 0.2229, 0.3148**.

Distribution



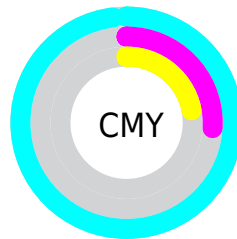
- Red (2%)
- Green (74%)
- Blue (78%)



- Red (2%)
- Yellow (39%)
- Blue (78%)



- Cyan (97%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)





- Cyan (98%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0824, 0.2207, 0.3131 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 40.0824, 0.2207, 0.3131 by changing the saturation by 10% instead.


 40.0824, 0.2207,
0.3131


 40.0824, 0.2207,
0.3131


346.4708, 0.2662,
0.3228


 27.6028, 0.2096,
0.3101


 75.2890, 0.2370,
0.3170


 18.0265, 0.1957,
0.3060


 98.7847, 0.2432,
0.3184

 10.9690, 0.1776,
0.3000


 126.7213, 0.2485,
0.3195

 6.0460, 0.1534,
0.2907

 159.4832, 0.2530,
0.3204

 2.8731, 0.1200,
0.2748

 197.4546, 0.2570,
0.3211

 1.0658, 0.0356,
0.2545

241.0201, 0.2604,

 0.0000, 0.0000,

0.3218

0.0000

290.5640, 0.2635,
0.3223

■ 40.0824, 0.2207,
0.3131

■ 40.0824, 0.2207,
0.3131

■ 39.9075, 0.2202,
0.3126

■ 40.7063, 0.2229,
0.3148

■ 41.5087, 0.2268,
0.3166

■ 42.5258, 0.2325,
0.3183

■ 43.7836, 0.2402,
0.3201

■ 45.3042, 0.2497,
0.3218

■ 47.1072, 0.2608,
0.3235

■ 49.2105, 0.2735,
0.3251

■ 51.6303, 0.2874,
0.3267

■ 54.3817, 0.3021,
0.3281

Harmonies

Analogous

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



40.0824, 0.2533, 0.3707



40.0824, 0.2207, 0.3131



40.0824, 0.2112, 0.2677

Triad

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



40.0824, 0.2207, 0.3131



40.0824, 0.3139, 0.2582



40.0824, 0.4042, 0.4136

Complementary

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



40.0824, 0.2207, 0.3131



12.3965, 0.6314, 0.3329

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.



40.0824, 0.4255, 0.3757



40.0824, 0.2207, 0.3131



40.0824, 0.3712, 0.2902

Square

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



40.0824, 0.2207, 0.3131



40.0824, 0.2610, 0.2414



40.0824, 0.4137, 0.3317



40.0824, 0.3589, 0.4322

Rectangle

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



40.0824, 0.2207, 0.3131



40.0824, 0.2180, 0.2492



40.0824, 0.4137, 0.3317



40.0824, 0.4145, 0.4023

Sweetspot

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



40.0839, 0.2207, 0.3131



86.1317, 0.2702, 0.3247



40.4713, 0.2993, 0.5947



18.0892, 0.2647, 0.3240



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.



40.0839, 0.2207, 0.3131



70.5398, 0.2201, 0.3123



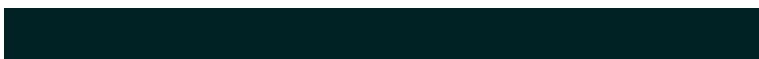
11.8559, 0.1746, 0.1464



11.9690, 0.2984, 0.3277



25.9883, 0.2202, 0.3128



1.2603, 0.2212, 0.3164

Inverse Universe

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



15.7719, 0.3340, 0.1624



27.6522, 0.3347, 0.1618



23.5372, 0.5211, 0.4218



10.8067, 0.3146, 0.3074



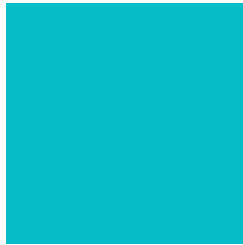
10.1635, 0.3343, 0.1615



0.4842, 0.3313, 0.1598

Previews

White Background



This preview shows how the Yxy color 40.0824, 0.2207, 0.3131 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 40.0824, 0.2207, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

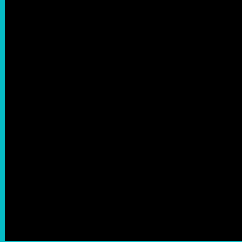
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

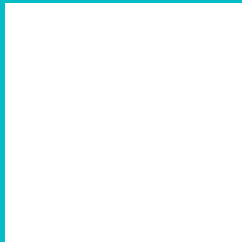
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0824, 0.2207, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 40.0824, 0.2207, 0.3131.



This preview shows how white text looks on a background with the Yxy color 40.0824, 0.2207, 0.3131.

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

40.0824, 0.2207, 0.3131

Protanopia

39.3557, 0.2978, 0.3043

Deuteranopia

39.5469, 0.2845, 0.2786



Tritanopia

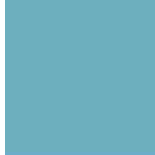
40.0230, 0.2194, 0.3041

Trichromacy



Original Color

40.0824, 0.2207, 0.3131



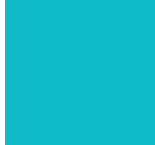
Protanomaly

37.6289, 0.2517, 0.3062



Deuteranomaly

37.3554, 0.2447, 0.2875



Tritanomaly

39.8679, 0.2197, 0.3070

Monochromacy



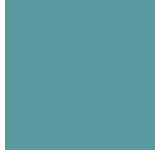
Original Color

40.0824, 0.2207, 0.3131



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.6545, 0.2531, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0824, 0.2207, 0.3131 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(6, 188, 198)` looks like.

```
.text, #text, p{  
    color:rgb(6, 188, 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(6, 188, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 188, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.0824, 0.2207, 0.3131 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(6, 188, 198) }
```

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

```
.border{ border-color:rgb(6, 188, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 188, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 188, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 188, 198);  
box-shadow:4px 4px 4px 4px rgb(6, 188,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0824, 0.2207, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 188, 198) }
```

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

```
.background{ background-color: rgb(6, 188,  
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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