

Converting Colors

$Y_{xy}(40.3217, 0.2268, 0.3118)$

Have a look what the booklet for
Yxy(40.3217, 0.2268, 0.3118)
contains.

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Color

Yxy(40.3217, 0.2268, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	33BBC6
RGB	51, 187, 198
RGB Percent	20%, 73%, 78%
CMY	0.7999, 0.2667, 0.2235
CMYK	0.74, 0.06, 0.00, 0.22
HSL	184°, 59%, 49%
HSV	184°, 74%, 78%
XYZ	29.3296, 40.3217, 59.6678
YIQ	147.5900, -84.5870, -25.4110

Conversions

Conversions Part 2

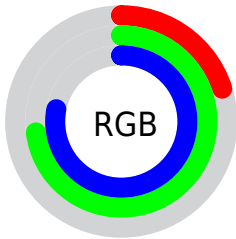
Format	Color
RYB	51, 122, 198
Decimal	3390406
CIELab	69.70, -31.51, -15.91
CIELCh	70, 35.300, 206.790
Yxy	40.3217, 0.2268, 0.3118
Android (android.graphics.Color)	4281580486 (0xFF33BBC6)
YUV	147.5900, 24.8521, -84.7094
Hunter-Lab	63.4994, -28.6770, -11.2629

Details

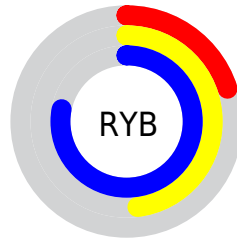
The Yxy color **40.3217, 0.2268, 0.3118** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **15.6940, 0.5554, 0.3403**, and the grayscale version is **29.3587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9144, 0.2420, 0.3160**, and **18.7887, 0.2182, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **39.2877, 0.2222, 0.3093**, and if you desaturate by 10%, it is **41.5841, 0.2333, 0.3144**.

Distribution



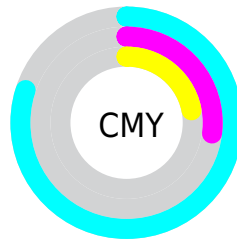
- Red (20%)
- Green (73%)
- Blue (78%)



- Red (20%)
- Yellow (48%)
- Blue (78%)



- Cyan (74%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)





- Cyan (80%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3217, 0.2268, 0.3118 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 40.3217, 0.2268, 0.3118 by changing the saturation by 10% instead.


 40.3217, 0.2268,
0.3118


 40.3217, 0.2268,
0.3118


347.4776, 0.2694,
0.3219

 27.7895, 0.2164,
0.3088


 75.6531, 0.2421,
0.3158


 18.1670, 0.2033,
0.3047


 99.2211, 0.2479,
0.3172


 11.0700, 0.1861,
0.2987


 127.2365, 0.2528,
0.3184

 6.1139, 0.1631,
0.2895

 160.0836, 0.2571,
0.3193

 2.9145, 0.1310,
0.2741

 198.1469, 0.2607,
0.3201

 1.0872, 0.0583,
0.2522

241.8107, 0.2640,

 0.0000, 0.0000,

0.3208

0.0000

291.4595, 0.2668,
0.3214

■ 40.3217, 0.2268,
0.3118

■ 40.3217, 0.2268,
0.3118

■ 39.2877, 0.2222,
0.3093

■ 41.5841, 0.2333,
0.3144

■ 38.4476, 0.2193,
0.3068

■ 43.0951, 0.2418,
0.3169

■ 38.0194, 0.2182,
0.3053

■ 44.8778, 0.2520,
0.3194

■ 46.9511, 0.2638,
0.3218

■ 49.3325, 0.2770,
0.3241

■ 52.0379, 0.2912,
0.3262

■ 55.0821, 0.3062,
0.3282

■ 58.4791, 0.3217,
0.3300

■ 62.2420, 0.3374,
0.3317

Harmonies

Analogous

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



40.3217, 0.2559, 0.3637



40.3217, 0.2268, 0.3118



40.3217, 0.2192, 0.2710

Triad

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



40.3217, 0.2268, 0.3118



40.3217, 0.3174, 0.2651



40.3217, 0.3948, 0.4087

Complementary

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



40.3217, 0.2268, 0.3118



15.6940, 0.5554, 0.3403

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.



40.3217, 0.4156, 0.3752



40.3217, 0.2268, 0.3118



40.3217, 0.3694, 0.2956

Square

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



40.3217, 0.2268, 0.3118



40.3217, 0.2681, 0.2486



40.3217, 0.4066, 0.3346



40.3217, 0.3525, 0.4232

Rectangle

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



40.3217, 0.2268, 0.3118



40.3217, 0.2264, 0.2545



40.3217, 0.4066, 0.3346



40.3217, 0.4046, 0.3990

Sweetspot

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



40.3232, 0.2268, 0.3118



88.2173, 0.2796, 0.3245



41.4315, 0.2985, 0.5522



18.6153, 0.2758, 0.3239



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.



40.3232, 0.2268, 0.3118



68.6195, 0.2202, 0.3077



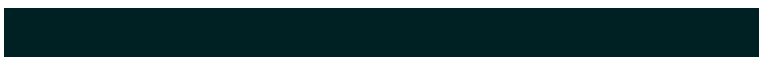
16.9781, 0.1953, 0.1878



11.9263, 0.2984, 0.3272



24.7779, 0.2182, 0.3057



1.2147, 0.2197, 0.3109

Inverse Universe

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



17.9640, 0.3340, 0.1794



28.2662, 0.3384, 0.1676



29.3828, 0.4708, 0.4262



10.8024, 0.3149, 0.3079



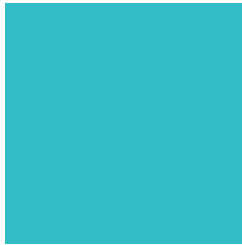
10.0413, 0.3405, 0.1649



0.4796, 0.3360, 0.1624

Previews

White Background



This preview shows how the Yxy color 40.3217, 0.2268, 0.3118 looks on a white background.

Color Contrast Check

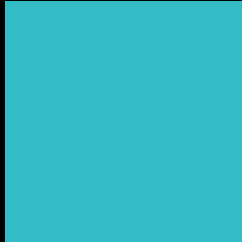
Large Text (above 18pt) WCAG AA × Fail

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 40.3217, 0.2268, 0.3118 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 40.3217, 0.2268, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 40.3217, 0.2268, 0.3118.



This preview shows how white text looks on a background with the Yxy color 40.3217, 0.2268, 0.3118.

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

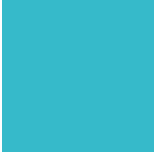
40.3217, 0.2268, 0.3118

Protanopia

39.7659, 0.2970, 0.3044

Deuteranopia

39.6571, 0.2854, 0.2787



Tritanopia

40.1663, 0.2254, 0.3044

Trichromacy



Original Color

40.3217, 0.2268, 0.3118



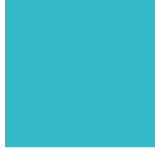
Protanomaly

38.7376, 0.2620, 0.3068



Deuteranomaly

38.5398, 0.2553, 0.2886



Tritanomaly

40.0917, 0.2256, 0.3058

Monochromacy



Original Color

40.3217, 0.2268, 0.3118



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.1045, 0.2672, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3217, 0.2268, 0.3118 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(51, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(51, 187, 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(51, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 187, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.3217, 0.2268, 0.3118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

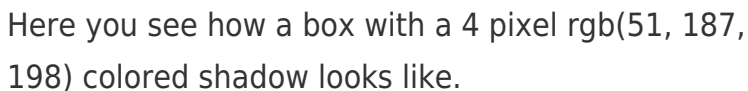
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 187, 198) }
```

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

```
.border{ border-color:rgb(51, 187, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(51, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 187, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 187, 198); box-shadow:4px 4px 4px 4px rgb(51, 187, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3217, 0.2268, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 187, 198) }
```

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

```
.background{ background-color: rgb(51, 187,  
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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