

Converting Colors

$Y_{xy}(40.2278, 0.2326, 0.3287)$

Have a look what the booklet for
Yxy(40.2278, 0.2326, 0.3287)
contains.

Yxy(40.3815, 0.2327, 0.3288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.3815, 0.2327, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	36BCBC
RGB	54, 188, 188
RGB Percent	21%, 74%, 74%
CMY	0.7883, 0.2627, 0.2628
CMYK	0.71, 0.00, 0.00, 0.26
HSL	180°, 55%, 47%
HSV	180°, 71%, 74%
XYZ	28.5790, 40.3815, 53.8543
YIQ	147.9340, -79.8640, -28.4080

Conversions

Conversions Part 2

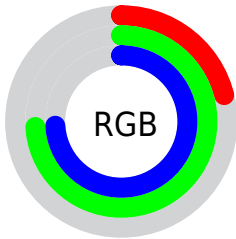
Format	Color
RYB	54, 121, 188
Decimal	3587260
CIELab	69.74, -34.60, -10.34
CIElCh	70, 36.112, 196.637
Yxy	40.3815, 0.2327, 0.3288
Android (android.graphics.Color)	4281777340 (0xFF36BCBC)
YUV	147.9340, 19.7525, -82.3801
Hunter-Lab	63.5464, -30.9287, -5.7645

Details

The Yxy color **40.3815, 0.2327, 0.3288** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.5955, 0.5511, 0.3297**, and the grayscale version is **29.5249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9014, 0.2472, 0.3300**, and **18.7995, 0.2241, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **39.9596, 0.2284, 0.3288**, and if you desaturate by 10%, it is **41.0074, 0.2389, 0.3288**.

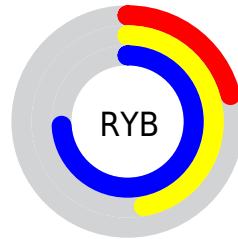
Distribution



Red (21%)

Green (74%)

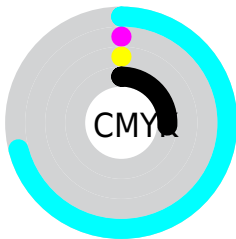
Blue (74%)



Red (21%)

Yellow (47%)

Blue (74%)

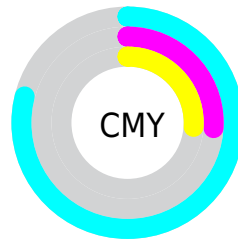


Cyan (71%)

Magenta (0%)

Yellow (0%)

Black (26%)



Cyan (79%)


Magenta (26%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3815, 0.2327, 0.3288 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 40.3815, 0.2327, 0.3288 by changing the saturation by 10% instead.


 40.3815, 0.2327,
0.3288


 40.3815, 0.2327,
0.3288


347.7289, 0.2726,
0.3300


 27.8361, 0.2228,
0.3281


 75.7441, 0.2471,
0.3295


 18.2022, 0.2103,
0.3270


 99.3301, 0.2526,
0.3297

 11.0952, 0.1938,
0.3251


 127.3651, 0.2572,
0.3298

 6.1309, 0.1714,
0.3217

 160.2335, 0.2612,
0.3299

 2.9249, 0.1395,
0.3148

 198.3197, 0.2646,
0.3300

 1.0926, 0.0515,
0.3119

242.0081, 0.2676,

 0.0000, 0.0000,

0.3300

0.0000

291.6830, 0.2703,
0.3300

■ 40.3815, 0.2327,
0.3288

■ 40.3815, 0.2327,
0.3288

■ 39.9596, 0.2284,
0.3288

■ 41.0074, 0.2389,
0.3288

■ 39.7125, 0.2259,
0.3288

■ 41.8535, 0.2470,
0.3288

■ 39.5988, 0.2247,
0.3288

■ 42.9394, 0.2569,
0.3289

■ 44.2815, 0.2684,
0.3289

■ 45.8946, 0.2815,
0.3289

■ 47.7925, 0.2956,
0.3290

■ 49.9879, 0.3107,
0.3290

■ 52.4928, 0.3264,
0.3290

■ 55.3187, 0.3424,
0.3291

Harmonies

Analogous

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



40.3815, 0.2689, 0.3818



40.3815, 0.2327, 0.3288



40.3815, 0.2174, 0.2817

Triad

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



40.3815, 0.2327, 0.3288



40.3815, 0.2993, 0.2563



40.3815, 0.4067, 0.4002

Complementary

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



40.3815, 0.2327, 0.3288



13.5955, 0.5511, 0.3297

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.



40.3815, 0.4184, 0.3622



40.3815, 0.2327, 0.3288



40.3815, 0.3534, 0.2831

Square

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



40.3815, 0.2327, 0.3288



40.3815, 0.2531, 0.2452



40.3815, 0.3986, 0.3206



40.3815, 0.3695, 0.4233

Rectangle

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



40.3815, 0.2327, 0.3288



40.3815, 0.2197, 0.2603



40.3815, 0.3986, 0.3206



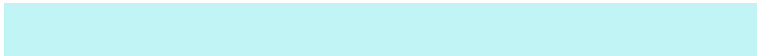
40.3815, 0.4139, 0.3886

Sweetspot

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



40.3830, 0.2327, 0.3288



83.1527, 0.2814, 0.3289



37.0824, 0.3031, 0.5539



17.6975, 0.2777, 0.3289



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.3830, 0.2327, 0.3288



72.1066, 0.2266, 0.3288



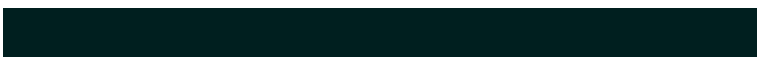
18.6378, 0.2045, 0.2152



10.8095, 0.2985, 0.3290



26.9589, 0.2247, 0.3288



1.0560, 0.2247, 0.3288

Inverse Universe

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



13.5955, 0.5511, 0.3297



20.6535, 0.6143, 0.3299



24.0953, 0.4763, 0.4102



9.5364, 0.3288, 0.3290



7.2793, 0.6401, 0.3300



0.2851, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 40.3815, 0.2327, 0.3288 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 40.3815, 0.2327, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

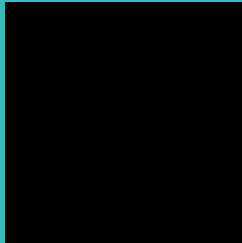
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

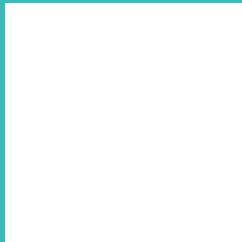
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3815, 0.2327, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 40.3815, 0.2327, 0.3288.

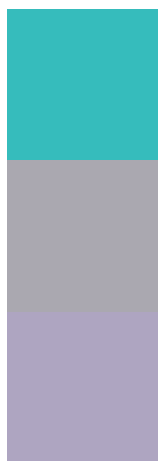


This preview shows how white text looks on a background with the Yxy color 40.3815, 0.2327, 0.3288.

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

40.3815, 0.2327, 0.3288

Protanopia

39.6859, 0.3078, 0.3180

Deuteranopia

39.7592, 0.2974, 0.2917



Tritanopia

40.3590, 0.2281, 0.3060

Trichromacy



Original Color

40.3815, 0.2327, 0.3288



Protanomaly

38.5444, 0.2708, 0.3214



Deuteranomaly

38.3946, 0.2644, 0.3026



Tritanomaly

40.4560, 0.2299, 0.3149

Monochromacy



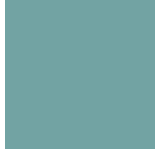
Original Color

40.3815, 0.2327, 0.3288



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.4161, 0.2704, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3815, 0.2327, 0.3288 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(54, 188, 188)` looks like.

```
.text, #text, p{  
  color:rgb(54, 188, 188)  
}
```

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(54, 188, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 188, 188) }
```

Border

The CSS property to change the border of an element to Yxy 40.3815, 0.2327, 0.3288 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(54, 188, 188) }
```

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

```
.border{ border-color:rgb(54, 188, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 188, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 188, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 188, 188);  
box-shadow:4px 4px 4px 4px rgb(54, 188,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3815, 0.2327, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 188, 188) }
```

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

```
.background{ background-color: rgb(54, 188,  
188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor