

Converting Colors

$Y_{xy}(40.5805, 0.2252, 0.3128)$

Have a look what the booklet for
Yxy(40.5805, 0.2252, 0.3128)
contains.

Yxy(40.5572, 0.2254, 0.3133)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5572, 0.2254, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	2BBCC6
RGB	43, 188, 198
RGB Percent	17%, 74%, 78%
CMY	0.8306, 0.2628, 0.2235
CMYK	0.78, 0.05, 0.00, 0.22
HSL	184°, 64%, 47%
HSV	184°, 78%, 78%
XYZ	29.1784, 40.5572, 59.7160
YIQ	145.7850, -89.6300, -27.6300

Conversions

Conversions Part 2

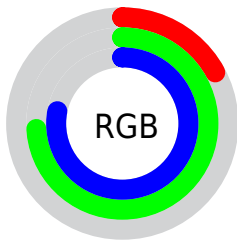
Format	Color
R _Y B	43, 118, 198
Decimal	2866374
CIE Lab	69.86, -32.81, -15.67
CIE LCh	70, 36.359, 205.525
Yxy	40.5572, 0.2254, 0.3133
Android (android.graphics.Color)	4281056454 (0xFF2BBCC6)
YUV	145.7850, 25.7420, -90.1424
Hunter-Lab	63.6845, -29.6644, -11.0162

Details

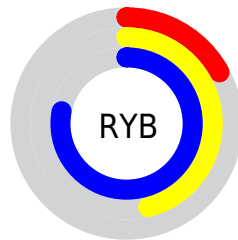
The Yxy color **40.5572, 0.2254, 0.3133** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **14.7473, 0.5738, 0.3383**, and the grayscale version is **28.5965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2378, 0.2409, 0.3171**, and **19.0638, 0.2188, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **39.6832, 0.2216, 0.3111**, and if you desaturate by 10%, it is **41.6469, 0.2311, 0.3155**.

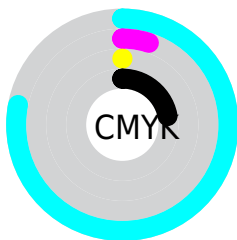
Distribution



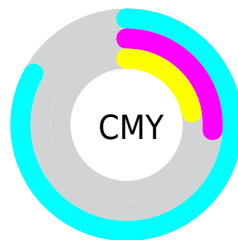
- Red (17%)
- Green (74%)
- Blue (78%)



- Red (17%)
- Yellow (46%)
- Blue (78%)



- Cyan (78%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)




- Cyan (83%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5572, 0.2254, 0.3133 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 40.5572, 0.2254, 0.3133 by changing the saturation by 10% instead.


 40.5572, 0.2254,
0.3133


 40.5572, 0.2254,
0.3133


348.4665, 0.2686,
0.3227

 27.9733, 0.2149,
0.3105


 76.0113, 0.2409,
0.3171

 18.3055, 0.2016,
0.3066


 99.6501, 0.2468,
0.3184

 11.1695, 0.1843,
0.3009


 127.7428, 0.2518,
0.3195

 6.1810, 0.1610,
0.2920

 160.6736, 0.2561,
0.3203

 2.9554, 0.1288,
0.2771

 198.8270, 0.2598,
0.3211

 1.1085, 0.0548,
0.2564

242.5874, 0.2631,

 0.0000, 0.0000,

0.3217

0.0000

292.3391, 0.2660,
0.3222

■ 40.5572, 0.2254,
0.3133

■ 40.5572, 0.2254,
0.3133

■ 39.6832, 0.2216,
0.3111

■ 41.6469, 0.2311,
0.3155

■ 38.9798, 0.2194,
0.3090

■ 42.9743, 0.2386,
0.3177

■ 38.8589, 0.2191,
0.3086

■ 44.5635, 0.2480,
0.3199

■ 46.4344, 0.2591,
0.3220

■ 48.6050, 0.2717,
0.3240

■ 51.0917, 0.2855,
0.3259

■ 53.9099, 0.3002,
0.3277

■ 57.0737, 0.3155,
0.3293

■ 60.5965, 0.3312,
0.3308

Harmonies

Analogous

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



40.5572, 0.2560, 0.3670



40.5572, 0.2254, 0.3133



40.5572, 0.2167, 0.2707

Triad

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



40.5572, 0.2254, 0.3133



40.5572, 0.3152, 0.2625



40.5572, 0.3983, 0.4096

Complementary

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



40.5572, 0.2254, 0.3133



14.7473, 0.5738, 0.3383

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.



40.5572, 0.4187, 0.3745



40.5572, 0.2254, 0.3133



40.5572, 0.3688, 0.2932

Square

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



40.5572, 0.2254, 0.3133



40.5572, 0.2650, 0.2462



40.5572, 0.4081, 0.3328



40.5572, 0.3555, 0.4258

Rectangle

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



40.5572, 0.2254, 0.3133



40.5572, 0.2235, 0.2533



40.5572, 0.4081, 0.3328



40.5572, 0.4082, 0.3993

Sweetspot

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



40.5587, 0.2254, 0.3133



88.1274, 0.2782, 0.3249



41.1449, 0.2991, 0.5647



18.5263, 0.2733, 0.3242



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.



40.5587, 0.2254, 0.3133



69.3524, 0.2199, 0.3096



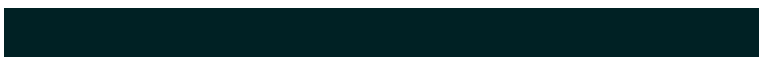
16.3749, 0.1917, 0.1837



11.9456, 0.2984, 0.3274



25.3193, 0.2191, 0.3089



1.2352, 0.2204, 0.3134

Inverse Universe

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



17.3790, 0.3331, 0.1742



27.8720, 0.3370, 0.1646



27.7095, 0.4830, 0.4250



10.8043, 0.3147, 0.3077



10.0960, 0.3377, 0.1634



0.4817, 0.3338, 0.1613

Previews

White Background



This preview shows how the Yxy color 40.5572, 0.2254, 0.3133 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 40.5572, 0.2254, 0.3133 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 40.5572, 0.2254, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 40.5572, 0.2254, 0.3133.

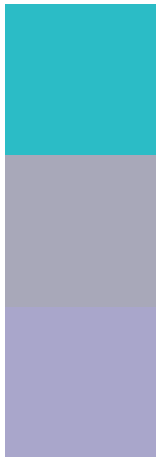


This preview shows how white text looks on a background with the Yxy color 40.5572, 0.2254, 0.3133.

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

40.5572, 0.2254, 0.3133

Protanopia

39.8329, 0.2987, 0.3058

Deuteranopia

40.0192, 0.2854, 0.2801



Tritanopia

40.4568, 0.2236, 0.3044

Trichromacy



Original Color

40.5572, 0.2254, 0.3133

Protanomaly

38.5886, 0.2606, 0.3067

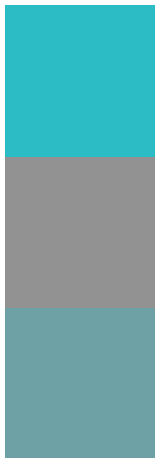
Deuteranomaly

38.7001, 0.2536, 0.2899

Tritanomaly

40.3385, 0.2243, 0.3073

Monochromacy



Original Color

40.5572, 0.2254, 0.3133

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.4576, 0.2648, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5572, 0.2254, 0.3133 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(43, 188, 198)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 188, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 188, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.5572, 0.2254, 0.3133 is called "border". The border property can be set on classes, ids or directly on the HTML element.

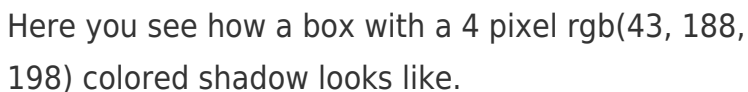
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(43, 188, 198) }
```

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

```
.border{ border-color:rgb(43, 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(43, 188, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 188, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 188, 198);  
box-shadow:4px 4px 4px 4px rgb(43, 188,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5572, 0.2254, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 188, 198) }
```

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

```
.background{ background-color: rgb(43, 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](#).

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