

Converting Colors

$Y_{xy}(44.5495, 0.2312, 0.3228)$

Have a look what the booklet for
Yxy(44.5495, 0.2312, 0.3228)
contains.

Yxy(44.5495, 0.2312, 0.3228)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.5495, 0.2312, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	3AC4C8
RGB	58, 196, 200
RGB Percent	23%, 77%, 78%
CMY	0.7726, 0.2313, 0.2157
CMYK	0.71, 0.02, 0.00, 0.22
HSL	182°, 56%, 51%
HSV	182°, 71%, 78%
XYZ	31.9078, 44.5495, 61.5523
YIQ	155.1940, -83.5320, -28.0120

Conversions

Conversions Part 2

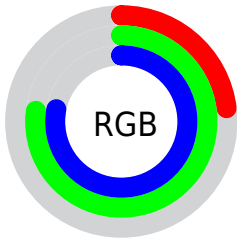
Format	Color
RYB	58, 128, 200
Decimal	3851464
CIELab	72.59, -34.37, -12.62
CIELCh	73, 36.615, 200.164
Yxy	44.5495, 0.2312, 0.3228
Android (android.graphics.Color)	4282041544 (0xFF3AC4C8)
YUV	155.1940, 22.0894, -85.2391
Hunter-Lab	66.7454, -31.4721, -7.9552

Details

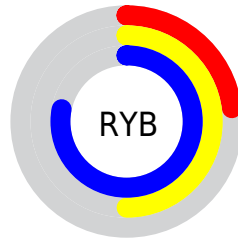
The Yxy color **44.5495, 0.2312, 0.3228** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **16.0246, 0.5475, 0.3336**, and the grayscale version is **32.7953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9062, 0.2463, 0.3265**, and **21.4213, 0.2224, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **43.8114, 0.2266, 0.3219**, and if you desaturate by 10%, it is **45.5245, 0.2378, 0.3237**.

Distribution



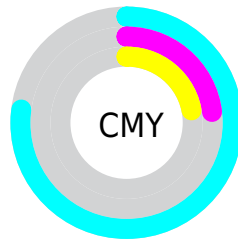
- Red (23%)
- Green (77%)
- Blue (78%)



- Red (23%)
- Yellow (50%)
- Blue (78%)



- Cyan (71%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)




- Cyan (77%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5495, 0.2312, 0.3228 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 44.5495, 0.2312, 0.3228 by changing the saturation by 10% instead.


 44.5495, 0.2312,
0.3228

 44.5495, 0.2312,
0.3228


364.9459, 0.2711,
0.3271

 31.1027, 0.2216,
0.3214


 82.0440, 0.2455,
0.3246

 20.6771, 0.2095,
0.3193


 106.8605, 0.2509,
0.3253


 12.8882, 0.1938,
0.3162


 136.2357, 0.2555,
0.3257

 7.3516, 0.1727,
0.3111

 170.5540, 0.2595,
0.3261

 3.6829, 0.1435,
0.3023

 210.1997, 0.2630,
0.3264

 1.4978, 0.0932,
0.2872

255.5574, 0.2660,

 0.2872, 0.0000,

0.3267

0.1913

307.0113, 0.2687,
0.3269

■ 0.0000, 0.0000,
0.0000

■ 44.5495, 0.2312,
0.3228

■ 44.5495, 0.2312,
0.3228

■ 43.8114, 0.2266,
0.3219

■ 45.5245, 0.2378,
0.3237

■ 43.2765, 0.2237,
0.3210

■ 46.7556, 0.2462,
0.3247

■ 42.9225, 0.2223,
0.3201

■ 48.2655, 0.2565,
0.3256

■ 50.0731, 0.2683,
0.3265

■ 52.1958, 0.2816,
0.3274

■ 54.6493, 0.2960,
0.3282

■ 57.4487, 0.3112,
0.3289

■ 60.6078, 0.3268,
0.3296

■ 64.1399, 0.3428,
0.3302

Harmonies

Analogous

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



44.5495, 0.2647, 0.3751



44.5495, 0.2312, 0.3228



44.5495, 0.2187, 0.2783

Triad

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



44.5495, 0.2312, 0.3228



44.5495, 0.3057, 0.2599



44.5495, 0.4019, 0.4027

Complementary

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



44.5495, 0.2312, 0.3228



16.0246, 0.5475, 0.3336

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.



44.5495, 0.4166, 0.3666



44.5495, 0.2312, 0.3228



44.5495, 0.3587, 0.2878

Square

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



44.5495, 0.2312, 0.3228



44.5495, 0.2588, 0.2469



44.5495, 0.4007, 0.3256



44.5495, 0.3632, 0.4226

Rectangle

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



44.5495, 0.2312, 0.3228



44.5495, 0.2227, 0.2588



44.5495, 0.4007, 0.3256



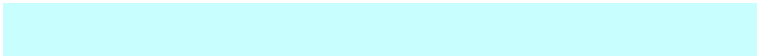
44.5495, 0.4100, 0.3918

Sweetspot

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



44.5512, 0.2312, 0.3228



90.2657, 0.2812, 0.3273



42.5318, 0.3013, 0.5519



19.0891, 0.2774, 0.3271



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.



44.5512, 0.2312, 0.3228



75.3404, 0.2249, 0.3214



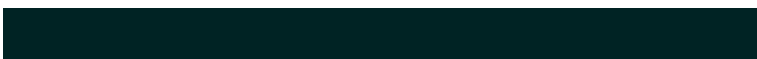
20.1493, 0.2025, 0.2070



12.0145, 0.2984, 0.3283



27.3187, 0.2223, 0.3203



1.3100, 0.2228, 0.3222

Inverse Universe

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



19.2880, 0.3248, 0.1775



29.4970, 0.3267, 0.1633



28.9105, 0.4711, 0.4159



10.8113, 0.3142, 0.3069



10.2978, 0.3280, 0.1580



0.4893, 0.3264, 0.1572

Previews

White Background



This preview shows how the Yxy color 44.5495, 0.2312, 0.3228 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 44.5495, 0.2312, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

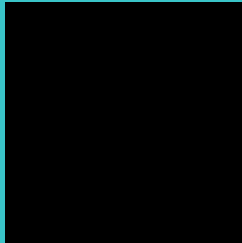
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

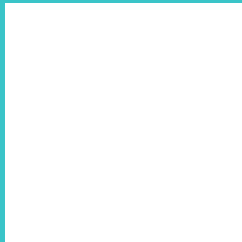
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5495, 0.2312, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 44.5495, 0.2312, 0.3228.

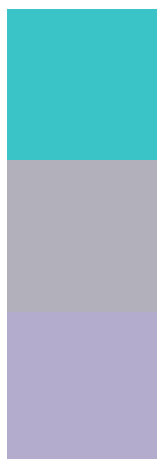


This preview shows how white text looks on a background with the Yxy color 44.5495, 0.2312, 0.3228.

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

44.5495, 0.2312, 0.3228

Protanopia

43.9856, 0.3048, 0.3145

Deuteranopia

43.6161, 0.2933, 0.2869



Tritanopia

44.3267, 0.2276, 0.3054

Trichromacy



Original Color

44.5495, 0.2312, 0.3228



Protanomaly

42.7411, 0.2683, 0.3161



Deuteranomaly

42.5938, 0.2623, 0.2983



Tritanomaly

44.5106, 0.2292, 0.3125

Monochromacy



Original Color

44.5495, 0.2312, 0.3228



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.6828, 0.2703, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5495, 0.2312, 0.3228 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(58, 196, 200)` looks like.

```
.text, #text, p{  
    color:rgb(58, 196, 200)  
}
```

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(58, 196, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 196, 200) }
```

Border

The CSS property to change the border of an element to Yxy 44.5495, 0.2312, 0.3228 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(58, 196, 200) }
```

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

```
.border{ border-color:rgb(58, 196, 200) }
```

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

Here you see how a box with a 4 pixel rgb(58, 196, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 196, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 196, 200);  
box-shadow:4px 4px 4px 4px rgb(58, 196,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5495, 0.2312, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 196, 200) }
```

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

```
.background{ background-color: rgb(58, 196,  
200) }
```

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