

Converting Colors

$Y_{xy}(44.3797, 0.2322, 0.3264)$

Have a look what the booklet for
Yxy(44.3797, 0.2322, 0.3264)
contains.

Yxy(44.4106, 0.2326, 0.3273)	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(44.4106, 0.2326, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	3AC4C5
RGB	58, 196, 197
RGB Percent	23%, 77%, 77%
CMY	0.7725, 0.2314, 0.2275
CMYK	0.71, 0.00, 0.00, 0.23
HSL	180°, 54%, 50%
HSV	180°, 71%, 77%
XYZ	31.5610, 44.4106, 59.7162
YIQ	154.8520, -82.5690, -28.9450

Conversions

Conversions Part 2

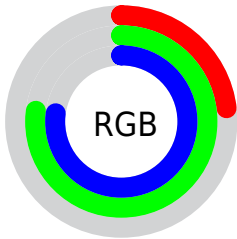
Format	Color
R _{YB}	58, 127, 197
Decimal	3851461
CIE Lab	72.50, -35.24, -11.12
CIE LCh	73, 36.950, 197.514
Yxy	44.4106, 0.2326, 0.3273
Android (android.graphics.Color)	4282041541 (0xFF3AC4C5)
YUV	154.8520, 20.7790, -84.9392
Hunter-Lab	66.6413, -32.0855, -6.4799

Details

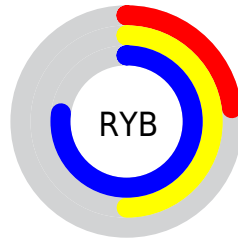
The Yxy color **44.4106, 0.2326, 0.3273** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.2996, 0.5478, 0.3307**, and the grayscale version is **32.6459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7663, 0.2463, 0.3277**, and **21.3292, 0.2241, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **43.8683, 0.2281, 0.3271**, and if you desaturate by 10%, it is **45.1820, 0.2390, 0.3275**.

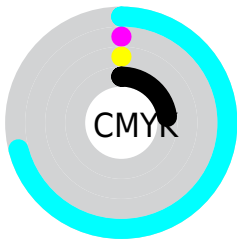
Distribution



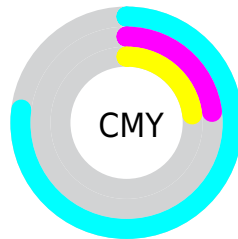
- Red (23%)
- Green (77%)
- Blue (77%)



- Red (23%)
- Yellow (50%)
- Blue (77%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4106, 0.2326, 0.3273 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 44.4106, 0.2326, 0.3273 by changing the saturation by 10% instead.


 44.4106, 0.2326,
0.3273


 44.4106, 0.2326,
0.3273


364.3812, 0.2719,
0.3293


 30.9934, 0.2231,
0.3265


 81.8352, 0.2467,
0.3283

 20.5938, 0.2111,
0.3252


 106.6115, 0.2520,
0.3286


 12.8274, 0.1955,
0.3231


 135.9429, 0.2566,
0.3288

 7.3098, 0.1746,
0.3195

 170.2139, 0.2605,
0.3289

 3.6566, 0.1453,
0.3128

 209.8088, 0.2639,
0.3291

 1.4834, 0.0926,
0.3017

255.1121, 0.2669,

 0.2770, 0.0000,

0.3292

0.2036

306.5081, 0.2695,
0.3292

0.0000, 0.0000,
0.0000

44.4106, 0.2326,
0.3273

44.4106, 0.2326,
0.3273

43.8683, 0.2281,
0.3271

45.1820, 0.2390,
0.3275

43.5228, 0.2254,
0.3268

46.2006, 0.2473,
0.3278

43.3296, 0.2241,
0.3266

47.4882, 0.2574,
0.3280

49.0631, 0.2692,
0.3283

50.9418, 0.2824,
0.3285

■ 53.1395, 0.2967,
0.3288

■ 55.6706, 0.3119,
0.3290

■ 58.5485, 0.3276,
0.3292

■ 61.7858, 0.3436,
0.3294

Harmonies

Analogous

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



44.4106, 0.2680, 0.3799



44.4106, 0.2326, 0.3273



44.4106, 0.2180, 0.2810

Triad

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



44.4106, 0.2326, 0.3273



44.4106, 0.3010, 0.2574



44.4106, 0.4052, 0.4006

Complementary

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



44.4106, 0.2326, 0.3273



15.2996, 0.5478, 0.3307

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.



44.4106, 0.4175, 0.3632



44.4106, 0.2326, 0.3273



44.4106, 0.3546, 0.2845

Square

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



44.4106, 0.2326, 0.3273



44.4106, 0.2548, 0.2459



44.4106, 0.3988, 0.3219



44.4106, 0.3678, 0.4228

Rectangle

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



44.4106, 0.2326, 0.3273



44.4106, 0.2208, 0.2601



44.4106, 0.3988, 0.3219



44.4106, 0.4126, 0.3892

Sweetspot

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



44.4123, 0.2326, 0.3273



90.9816, 0.2813, 0.3285



41.1270, 0.3022, 0.5531



19.2624, 0.2775, 0.3285



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.



44.4123, 0.2326, 0.3273



78.1951, 0.2263, 0.3269



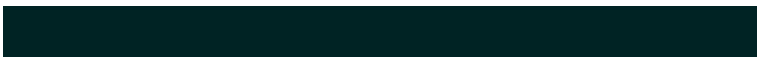
20.2379, 0.2041, 0.2121



12.0544, 0.2984, 0.3288



28.5135, 0.2241, 0.3267



1.3543, 0.2242, 0.3271

Inverse Universe

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



18.8809, 0.3211, 0.1757



29.7852, 0.3221, 0.1606



27.4803, 0.4722, 0.4128



10.8153, 0.3139, 0.3064



10.4184, 0.3226, 0.1551



0.4937, 0.3223, 0.1549

Previews

White Background



This preview shows how the Yxy color 44.4106, 0.2326, 0.3273 looks on a white background.

Color Contrast Check

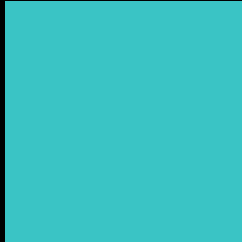
Large Text (above 18pt) WCAG AA × Fail

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 44.4106, 0.2326, 0.3273 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

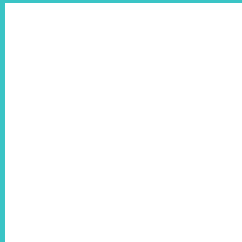
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4106, 0.2326, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 44.4106, 0.2326, 0.3273.

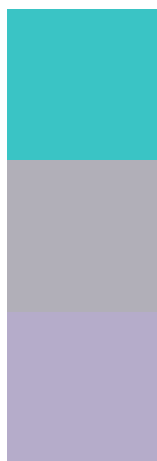


This preview shows how white text looks on a background with the Yxy color 44.4106, 0.2326, 0.3273.

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

44.4106, 0.2326, 0.3273

Protanopia

43.4677, 0.3072, 0.3171

Deuteranopia

43.5931, 0.2964, 0.2906



Tritanopia

44.3950, 0.2282, 0.3054

Trichromacy



Original Color

44.4106, 0.2326, 0.3273



Protanomaly

42.6094, 0.2702, 0.3203



Deuteranomaly

42.4521, 0.2642, 0.3023



Tritanomaly

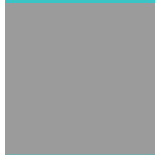
44.4948, 0.2299, 0.3140

Monochromacy



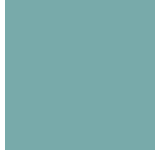
Original Color

44.4106, 0.2326, 0.3273



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.6448, 0.2710, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4106, 0.2326, 0.3273 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(58, 196, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 196, 197) }
```

Border

The CSS property to change the border of an element to Yxy 44.4106, 0.2326, 0.3273 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, 197) }
```

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

```
.border{ border-color:rgb(58, 196, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 196, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 196, 197);  
box-shadow:4px 4px 4px 4px rgb(58, 196,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4106, 0.2326, 0.3273 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, 197) }
```

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

```
.background{ background-color: rgb(58, 196,  
197) }
```

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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