

Converting Colors

$Y_{xy}(46.1499, 0.2296, 0.3201)$

Have a look what the booklet for
Yxy(46.1499, 0.2296, 0.3201)
contains.

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Color

Yxy(46.0954, 0.2295, 0.3199)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 38C7CD |
| RGB | 56, 199, 205 |
| RGB Percent | 22%, 78%, 80% |
| CMY | 0.7810, 0.2196, 0.1960 |
| CMYK | 0.73, 0.03, 0.00, 0.20 |
| HSL | 182°, 60%, 51% |
| HSV | 182°, 73%, 80% |
| XYZ | 33.0694, 46.0954, 64.9284 |
| YIQ | 156.9270, -87.1540, -28.4500 |

Conversions

Conversions Part 2

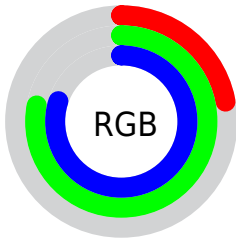
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 56, 129, 205 |
| Decimal | 3721165 |
| CIE Lab | 73.61, -34.57, -13.84 |
| CIE LCh | 74, 37.240, 201.825 |
| Yxy | 46.0954, 0.2295, 0.3199 |
| Android (android.graphics.Color) | 4281911245 (0xFF38C7CD) |
| YUV | 156.9270, 23.7000, -88.5130 |
| Hunter-Lab | 67.8936, -31.8706, -9.1750 |

Details

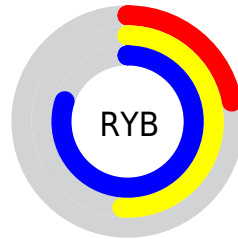
The Yxy color **46.0954, 0.2295, 0.3199** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **16.6971, 0.5545, 0.3353**, and the grayscale version is **33.5852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **22.1809, 0.2208, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **45.2447, 0.2250, 0.3186**, and if you desaturate by 10%, it is **47.1932, 0.2359, 0.3213**.

Distribution



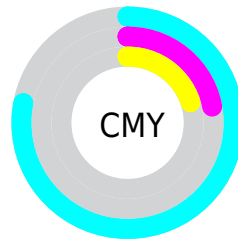
- Red (22%)
- Green (78%)
- Blue (80%)



- Red (22%)
- Yellow (51%)
- Blue (80%)



- Cyan (73%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)




- Cyan (78%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0954, 0.2295, 0.3199 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 46.0954, 0.2295, 0.3199 by changing the saturation by 10% instead.


 46.0954, 0.2295,
0.3199

 46.0954, 0.2295,
0.3199


371.1921, 0.2699,
0.3257


 32.3211, 0.2198,
0.3181


 84.3618, 0.2439,
0.3223


 21.6069, 0.2077,
0.3155


 109.6226, 0.2494,
0.3231


 13.5683, 0.1921,
0.3118

 139.4811, 0.2541,
0.3238

 7.8211, 0.1714,
0.3060

 174.3216, 0.2581,
0.3243

 3.9807, 0.1428,
0.2962

 214.5286, 0.2616,
0.3247

 1.6627, 0.0985,
0.2785

260.4864, 0.2647,

 0.3994, 0.0000,

0.3251

0.2133

312.5794, 0.2675,
0.3254

0.0000, 0.0000,
0.0000

46.0954, 0.2295,
0.3199

46.0954, 0.2295,
0.3199

45.2447, 0.2250,
0.3186

47.1932, 0.2359,
0.3213

44.6041, 0.2224,
0.3172

48.5592, 0.2441,
0.3226

44.2320, 0.2212,
0.3163

50.2182, 0.2542,
0.3240

52.1905, 0.2659,
0.3252

54.4949, 0.2791,
0.3265

■ 57.1485, 0.2933,
0.3276

■ 60.1674, 0.3084,
0.3287

■ 63.5664, 0.3241,
0.3297

■ 67.3597, 0.3399,
0.3306

Harmonies

Analogous

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



46.0954, 0.2621, 0.3726



46.0954, 0.2295, 0.3199



46.0954, 0.2182, 0.2760

Triad

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



46.0954, 0.2295, 0.3199



46.0954, 0.3086, 0.2608



46.0954, 0.4007, 0.4047

Complementary

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



46.0954, 0.2295, 0.3199



16.6971, 0.5545, 0.3353

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.



46.0954, 0.4172, 0.3689



46.0954, 0.2295, 0.3199



46.0954, 0.3617, 0.2895

Square

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



46.0954, 0.2295, 0.3199



46.0954, 0.2607, 0.2468



46.0954, 0.4029, 0.3278



46.0954, 0.3608, 0.4235

Rectangle

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



46.0954, 0.2295, 0.3199



46.0954, 0.2230, 0.2572



46.0954, 0.4029, 0.3278



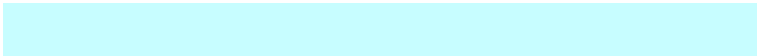
46.0954, 0.4093, 0.3940

Sweetspot

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



46.0971, 0.2295, 0.3199



89.4334, 0.2797, 0.3265



44.8469, 0.3003, 0.5543



18.9071, 0.2760, 0.3262



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.



46.0971, 0.2295, 0.3199



73.4895, 0.2234, 0.3178



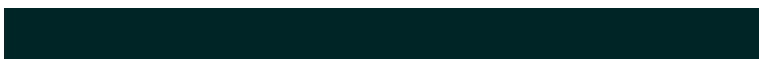
20.0300, 0.1991, 0.1990



12.6464, 0.2984, 0.3280



27.5627, 0.2213, 0.3165



1.4466, 0.2220, 0.3190

Inverse Universe

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



19.9203, 0.3273, 0.1767



29.0131, 0.3298, 0.1637



30.7091, 0.4732, 0.4198



11.3956, 0.3144, 0.3071



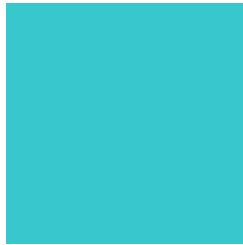
10.5855, 0.3312, 0.1598



0.5486, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 46.0954, 0.2295, 0.3199 looks on a white background.

Color Contrast Check

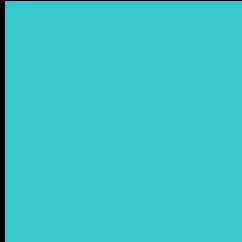
Large Text (above 18pt) WCAG AA × Fail

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 46.0954, 0.2295, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

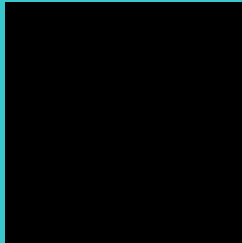
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

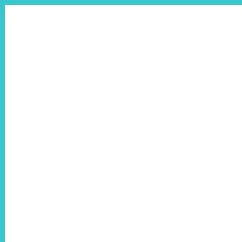
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0954, 0.2295, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 46.0954, 0.2295, 0.3199.

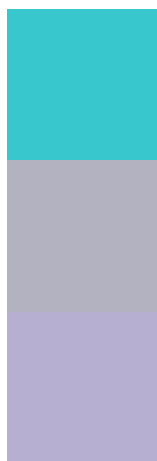


This preview shows how white text looks on a background with the Yxy color 46.0954, 0.2295, 0.3199.

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

46.0954, 0.2295, 0.3199

Protanopia

45.2303, 0.3025, 0.3108

Deuteranopia

45.2582, 0.2913, 0.2850



Tritanopia

46.2673, 0.2268, 0.3057

Trichromacy



Original Color

46.0954, 0.2295, 0.3199



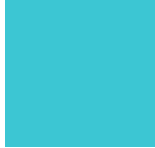
Protanomaly

44.2174, 0.2656, 0.3134



Deuteranomaly

44.0693, 0.2598, 0.2960



Tritanomaly

46.0520, 0.2276, 0.3099

Monochromacy



Original Color

46.0954, 0.2295, 0.3199



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.5541, 0.2686, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0954, 0.2295, 0.3199 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(56, 199, 205)` looks like.

```
.text, #text, p{  
    color:rgb(56, 199, 205)  
}
```

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(56, 199, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 199, 205) }
```

Border

The CSS property to change the border of an element to Yxy 46.0954, 0.2295, 0.3199 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(56, 199, 205) }
```

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

```
.border{ border-color:rgb(56, 199, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 199, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(56, 199, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(56, 199, 205); box-shadow:4px 4px 4px 4px rgb(56, 199, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0954, 0.2295, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 199, 205) }
```

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

```
.background{ background-color: rgb(56, 199,  
205) }
```

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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