

Converting Colors

$Y_{xy}(47.1065, 0.2298, 0.3252)$

Have a look what the booklet for
Yxy(47.1065, 0.2298, 0.3252)
contains.

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Color

Yxy(47.3045, 0.2299, 0.3258)

Conversions

Conversions Part 1	
Format	Color
Hex	33CACC
RGB	51, 202, 204
RGB Percent	20%, 79%, 80%
CMY	0.8006, 0.2078, 0.1999
CMYK	0.75, 0.01, 0.00, 0.20
HSL	181°, 60%, 50%
HSV	181°, 75%, 80%
XYZ	33.3803, 47.3045, 64.5101
YIQ	157.0790, -90.6380, -31.3900

Conversions

Conversions Part 2

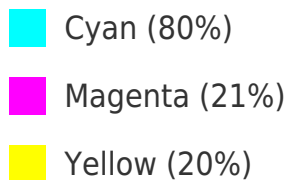
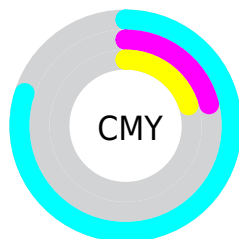
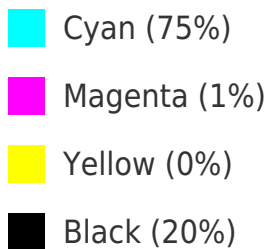
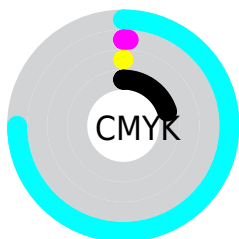
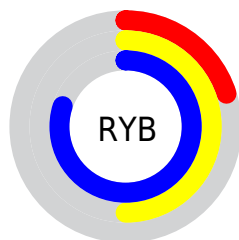
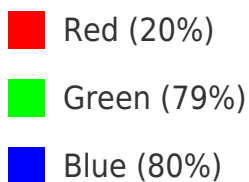
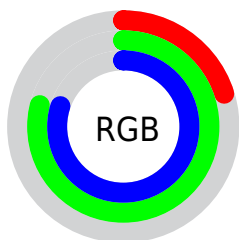
Format	Color
RYB	51, 127, 204
Decimal	3394252
CIELab	74.38, -36.82, -12.14
CIELCh	74, 38.771, 198.253
Yxy	47.3045, 0.2299, 0.3258
Android (android.graphics.Color)	4281584332 (0xFF33CACC)
YUV	157.0790, 23.1321, -93.0313
Hunter-Lab	68.7783, -33.7302, -7.4659

Details

The Yxy color **47.3045, 0.2299, 0.3258** 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 **15.6105, 0.5684, 0.3315**, and the grayscale version is **33.6599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **23.0694, 0.2230, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **46.7637, 0.2262, 0.3254**, and if you desaturate by 10%, it is **48.0811, 0.2355, 0.3262**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3045, 0.2299, 0.3258 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 47.3045, 0.2299, 0.3258 by changing the saturation by 10% instead.


 47.3045, 0.2299,
0.3258

 47.3045, 0.2299,
0.3258


376.0287, 0.2700,
0.3286


 33.2764, 0.2203,
0.3247


 86.1680, 0.2442,
0.3271

 22.3383, 0.2084,
0.3232


 111.7722, 0.2496,
0.3275

 14.1057, 0.1929,
0.3208


 142.0039, 0.2543,
0.3278

 8.1942, 0.1725,
0.3168

 177.2475, 0.2583,
0.3280

 4.2195, 0.1443,
0.3096

 217.8873, 0.2618,
0.3282

 1.7971, 0.1013,
0.2961


264.3079, 0.2649,

 0.4853, 0.0000,

0.3284

0.2522


316.8935, 0.2676,
0.3285


 0.0000, 0.0000,
0.0000


 47.3045, 0.2299,
0.3258


 47.3045, 0.2299,
0.3258


 46.7637, 0.2262,
0.3254


 48.0811, 0.2355,
0.3262


 46.4205, 0.2242,
0.3249


 49.1154, 0.2430,
0.3267


 46.2942, 0.2235,
0.3247


 50.4323, 0.2523,
0.3271


 52.0527, 0.2635,
0.3276

 53.9953, 0.2761,
0.3280

 56.2775, 0.2900,
0.3284

 58.9151, 0.3049,
0.3288

 61.9234, 0.3204,
0.3292

 65.3164, 0.3364,
0.3295

Harmonies

Analogous

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



47.3045, 0.2657, 0.3802



47.3045, 0.2299, 0.3258



47.3045, 0.2156, 0.2787

Triad

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



47.3045, 0.2299, 0.3258



47.3045, 0.3019, 0.2562



47.3045, 0.4069, 0.4031

Complementary

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



47.3045, 0.2299, 0.3258



15.6105, 0.5684, 0.3315

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.



47.3045, 0.4205, 0.3649



47.3045, 0.2299, 0.3258



47.3045, 0.3570, 0.2842

Square

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



47.3045, 0.2299, 0.3258



47.3045, 0.2542, 0.2439



47.3045, 0.4020, 0.3226



47.3045, 0.3679, 0.4256

Rectangle

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



47.3045, 0.2299, 0.3258



47.3045, 0.2188, 0.2577



47.3045, 0.4020, 0.3226



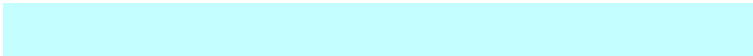
47.3045, 0.4148, 0.3915

Sweetspot

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



47.3063, 0.2299, 0.3258



90.0327, 0.2785, 0.3281



44.1327, 0.3016, 0.5653



18.9973, 0.2736, 0.3279



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.



47.3063, 0.2299, 0.3258



77.0467, 0.2248, 0.3251



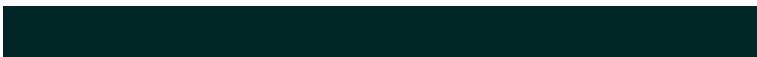
20.3505, 0.1985, 0.2030



12.7008, 0.2984, 0.3287



29.1431, 0.2236, 0.3248



1.5117, 0.2238, 0.3256

Inverse Universe

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



19.4588, 0.3226, 0.1708



29.0044, 0.3238, 0.1587



28.3680, 0.4849, 0.4150



11.4011, 0.3140, 0.3065



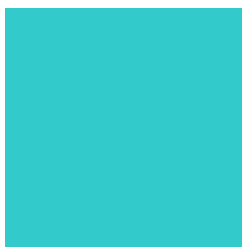
10.7450, 0.3242, 0.1560



0.5552, 0.3235, 0.1556

Previews

White Background



This preview shows how the Yxy color 47.3045, 0.2299, 0.3258 looks on a white background.

Color Contrast Check

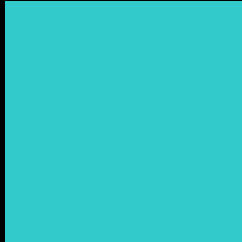
Large Text (above 18pt) WCAG AA × Fail

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 47.3045, 0.2299, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

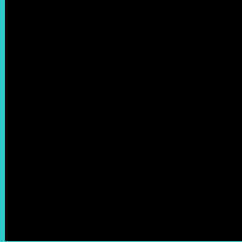
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

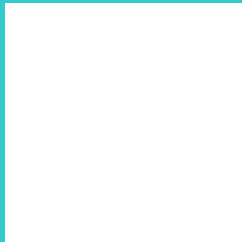
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3045, 0.2299, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 47.3045, 0.2299, 0.3258.

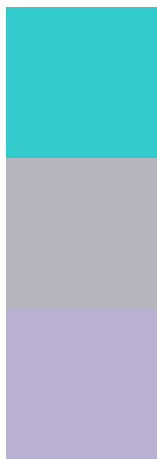


This preview shows how white text looks on a background with the Yxy color 47.3045, 0.2299, 0.3258.

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

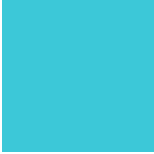
47.3045, 0.2299, 0.3258

Protanopia

46.3492, 0.3058, 0.3148

Deuteranopia


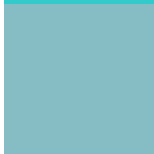
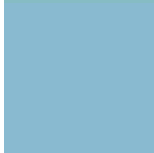
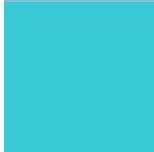
46.5365, 0.2946, 0.2880




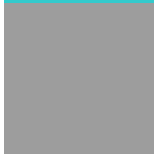
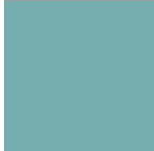
Tritanopia

47.2271, 0.2261, 0.3059

Trichromacy

	Original Color 47.3045, 0.2299, 0.3258
	Protanomaly 45.0203, 0.2666, 0.3177
	Deuteranomaly 44.9902, 0.2608, 0.2989
	Tritanomaly 47.3966, 0.2275, 0.3129

Monochromacy

	Original Color 47.3045, 0.2299, 0.3258
	Achromatopsia 33.7164, 0.3127, 0.3290
	Achromatomaly 36.7947, 0.2674, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3045, 0.2299, 0.3258 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(51, 202, 204) looks like.

```
.text, #text, p{  
    color:rgb(51, 202, 204)  
}
```

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(51, 202, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 202, 204) }
```

Border

The CSS property to change the border of an element to Yxy 47.3045, 0.2299, 0.3258 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(51, 202, 204) }
```

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

```
.border{ border-color:rgb(51, 202, 204) }
```

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

Here you see how a box with a 4 pixel rgb(51, 202, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 202, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 202, 204);  
box-shadow:4px 4px 4px 4px rgb(51, 202,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3045, 0.2299, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 202, 204) }
```

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

```
.background{ background-color: rgb(51, 202,  
204) }
```

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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