

Converting Colors

$Y_{xy}(46.9236, 0.2365, 0.3254)$

Have a look what the booklet for
Yxy(46.9236, 0.2365, 0.3254)
contains.

Yxy(47.0287, 0.2365, 0.3259)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.0287, 0.2365, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	4AC8CA
RGB	74, 200, 202
RGB Percent	29%, 78%, 79%
CMY	0.7105, 0.2156, 0.2079
CMYK	0.63, 0.01, 0.00, 0.21
HSL	181°, 55%, 54%
HSV	181°, 63%, 79%
XYZ	34.1279, 47.0287, 63.1475
YIQ	162.5540, -75.7380, -26.0900

Conversions

Conversions Part 2

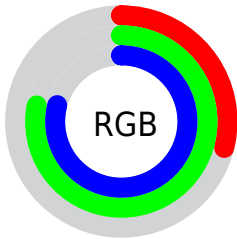
Format	Color
RYB	74, 137, 202
Decimal	4901066
CIELab	74.21, -33.45, -11.26
CIElCh	74, 35.291, 198.599
Yxy	47.0287, 0.2365, 0.3259
Android (android.graphics.Color)	4283091146 (0xFF4AC8CA)
YUV	162.5540, 19.4469, -77.6619
Hunter-Lab	68.5775, -31.1792, -6.5911

Details

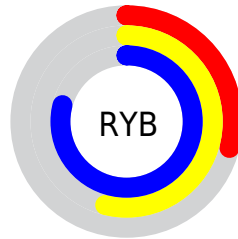
The Yxy color **47.0287, 0.2365, 0.3259** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.1889, 0.5136, 0.3318**, and the grayscale version is **36.3184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **22.3889, 0.2230, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **46.2118, 0.2306, 0.3254**, and if you desaturate by 10%, it is **48.1065, 0.2443, 0.3264**.

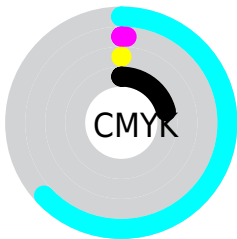
Distribution



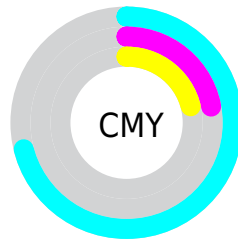
- Red (29%)
- Green (78%)
- Blue (79%)



- Red (29%)
- Yellow (54%)
- Blue (79%)



- Cyan (63%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)





- Cyan (71%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0287, 0.2365, 0.3259 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 47.0287, 0.2365, 0.3259 by changing the saturation by 10% instead.


 47.0287, 0.2365,
0.3259

 47.0287, 0.2365,
0.3259


374.9291, 0.2736,
0.3285


 33.0583, 0.2276,
0.3250


 85.7565, 0.2497,
0.3271


 22.1711, 0.2164,
0.3236


 111.2827, 0.2548,
0.3274

 13.9827, 0.2020,
0.3214


 141.4296, 0.2590,
0.3277

 8.1086, 0.1826,
0.3179

 176.5816, 0.2628,
0.3279

 4.1645, 0.1556,
0.3116

217.1232, 0.2660,
0.3281

 1.7660, 0.1149,
0.2992

263.4387, 0.2688,

 0.4659, 0.0000,

0.3283

0.2589

315.9126, 0.2713,
0.3284

0.0000, 0.0000,
0.0000

47.0287, 0.2365,
0.3259

47.0287, 0.2365,
0.3259

46.2118, 0.2306,
0.3254

48.1065, 0.2443,
0.3264

45.6249, 0.2265,
0.3249

49.4623, 0.2540,
0.3269

45.2386, 0.2242,
0.3244

51.1176, 0.2654,
0.3275

45.0577, 0.2234,
0.3241

53.0905, 0.2783,
0.3279

55.3978, 0.2924,
0.3284

■ 58.0547, 0.3074,
0.3289

■ 61.0760, 0.3230,
0.3293

■ 64.4752, 0.3390,
0.3296

■ 68.1467, 0.3545,
0.3300

Harmonies

Analogous

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



47.0287, 0.2694, 0.3749



47.0287, 0.2365, 0.3259



47.0287, 0.2234, 0.2830

Triad

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



47.0287, 0.2365, 0.3259



47.0287, 0.3036, 0.2622



47.0287, 0.3987, 0.3977

Complementary

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



47.0287, 0.2365, 0.3259



18.1889, 0.5136, 0.3318

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.



47.0287, 0.4110, 0.3631



47.0287, 0.2365, 0.3259



47.0287, 0.3538, 0.2882

Square

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



47.0287, 0.2365, 0.3259



47.0287, 0.2596, 0.2507



47.0287, 0.3944, 0.3240



47.0287, 0.3631, 0.4172

Rectangle

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



47.0287, 0.2365, 0.3259



47.0287, 0.2264, 0.2636



47.0287, 0.3944, 0.3240



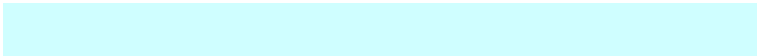
47.0287, 0.4059, 0.3872

Sweetspot

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



47.0305, 0.2365, 0.3259



91.4667, 0.2841, 0.3281



44.1769, 0.3032, 0.5323



19.3433, 0.2801, 0.3280



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.



47.0305, 0.2365, 0.3259



77.8537, 0.2289, 0.3252



23.8646, 0.2133, 0.2258



12.6963, 0.2984, 0.3286



29.0108, 0.2234, 0.3241



1.5063, 0.2236, 0.3251

Inverse Universe

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



21.6015, 0.3217, 0.1867



31.6486, 0.3232, 0.1691



31.1986, 0.4531, 0.4078



11.4007, 0.3140, 0.3065



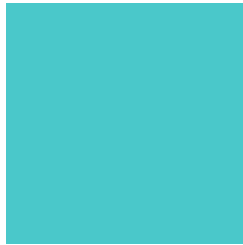
10.7317, 0.3248, 0.1563



0.5546, 0.3240, 0.1558

Previews

White Background



This preview shows how the Yxy color 47.0287, 0.2365, 0.3259 looks on a white background.

Color Contrast Check

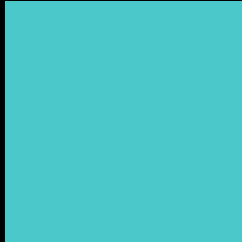
Large Text (above 18pt) WCAG AA × Fail

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 47.0287, 0.2365, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

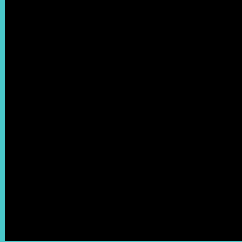
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

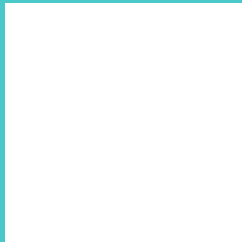
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0287, 0.2365, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 47.0287, 0.2365, 0.3259.

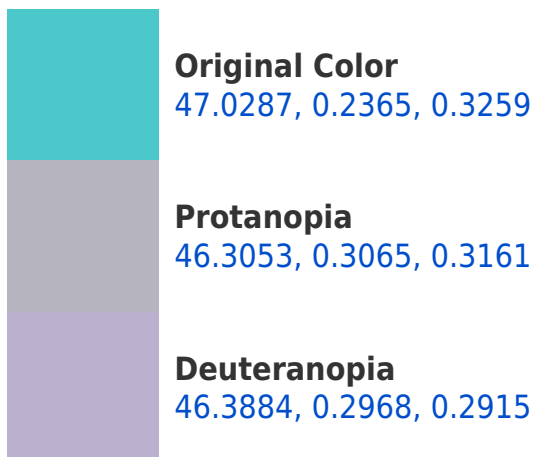


This preview shows how white text looks on a background with the Yxy color 47.0287, 0.2365, 0.3259.

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





Tritanopia

46.9487, 0.2323, 0.3061

Trichromacy



Original Color

47.0287, 0.2365, 0.3259



Protanomaly

45.2753, 0.2738, 0.3192



Deuteranomaly

45.1254, 0.2678, 0.3018



Tritanomaly

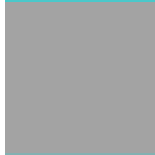
47.1197, 0.2338, 0.3130

Monochromacy



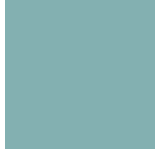
Original Color

47.0287, 0.2365, 0.3259



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.0503, 0.2752, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0287, 0.2365, 0.3259 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(74, 200, 202)` looks like.

```
.text, #text, p{  
    color:rgb(74, 200, 202)  
}
```

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(74, 200, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 200, 202) }
```

Border

The CSS property to change the border of an element to Yxy 47.0287, 0.2365, 0.3259 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(74, 200, 202) }
```

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

```
.border{ border-color:rgb(74, 200, 202) }
```

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

Here you see how a box with a 4 pixel rgb(74, 200, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 200, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 200, 202);  
box-shadow:4px 4px 4px 4px rgb(74, 200,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0287, 0.2365, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 200, 202) }
```

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

```
.background{ background-color: rgb(74, 200,  
202) }
```

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