

Converting Colors

$Y_{xy}(46.2094, 0.2544, 0.3425)$

Have a look what the booklet for
Yxy(46.2094, 0.2544, 0.3425)
contains.

Yxy(46.2871, 0.2546, 0.3436)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.2871, 0.2546, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	65C5BB
RGB	101, 197, 187
RGB Percent	40%, 77%, 73%
CMY	0.6041, 0.2274, 0.2668
CMYK	0.49, 0.00, 0.05, 0.23
HSL	174°, 45%, 58%
HSV	174°, 49%, 77%
XYZ	34.2977, 46.2871, 54.1273
YIQ	167.1560, -54.0060, -23.4620

Conversions

Conversions Part 2

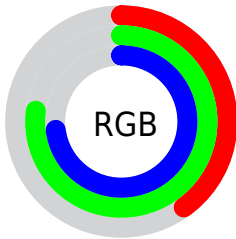
Format	Color
RYB	101, 152, 197
Decimal	6669755
CIELab	73.73, -30.80, -3.72
CIELCh	74, 31.029, 186.895
Yxy	46.2871, 0.2546, 0.3436
Android (android.graphics.Color)	4284859835 (0xFF65C5BB)
YUV	167.1560, 9.7831, -58.0188
Hunter-Lab	68.0346, -29.0749, 0.4540

Details

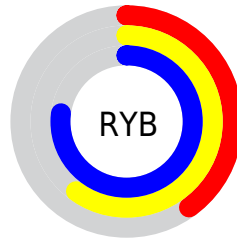
The Yxy color **46.2871, 0.2546, 0.3436** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.3204, 0.4327, 0.3161**, and the grayscale version is **38.6910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6238, 0.2650, 0.3412**, and **21.7975, 0.2385, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **45.1977, 0.2468, 0.3471**, and if you desaturate by 10%, it is **47.6539, 0.2641, 0.3402**.

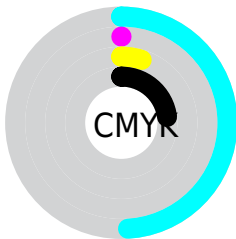
Distribution



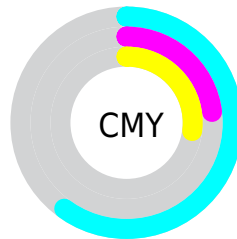
- Red (40%)
- Green (77%)
- Blue (73%)



- Red (40%)
- Yellow (60%)
- Blue (77%)



- Cyan (49%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)




- Cyan (60%)
- Magenta (23%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2871, 0.2546, 0.3436 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 46.2871, 0.2546, 0.3436 by changing the saturation by 10% instead.

 46.2871, 0.2546,
0.3436

 46.2871, 0.2546,
0.3436


371.9617, 0.2833,
0.3367


 32.4724, 0.2475,
0.3452


 84.6485, 0.2650,
0.3412


 21.7226, 0.2386,
0.3472


 109.9640, 0.2689,
0.3402

 13.6532, 0.2268,
0.3497


 139.8820, 0.2722,
0.3394

 7.8799, 0.2106,
0.3529

 174.7867, 0.2750,
0.3387

 4.0182, 0.1872,
0.3571

215.0627, 0.2775,
0.3381

 1.6837, 0.1493,
0.3629

261.0942, 0.2797,

 0.4131, 0.0000,

0.3376

0.3678

313.2658, 0.2816,
0.3371

0.0000, 0.0000,
0.0000

46.2871, 0.2546,
0.3436

46.2871, 0.2546,
0.3436

45.1977, 0.2468,
0.3471

47.6539, 0.2641,
0.3402

44.3605, 0.2408,
0.3507

49.3105, 0.2752,
0.3370

43.7547, 0.2367,
0.3543


51.2750, 0.2874,
0.3340


43.3541, 0.2345,
0.3578

53.5627, 0.3006,
0.3312

43.1150, 0.2339,
0.3614

56.1875, 0.3145,
0.3287

 43.0889, 0.2338,
0.3618

 59.1628, 0.3287,
0.3264

 62.5012, 0.3431,
0.3244

 65.5300, 0.3545,
0.3225

 65.6291, 0.3529,
0.3204

Harmonies

Analogous

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



46.2871, 0.2897, 0.3836



46.2871, 0.2546, 0.3436



46.2871, 0.2353, 0.3021

Triad

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



46.2871, 0.2546, 0.3436



46.2871, 0.2883, 0.2634



46.2871, 0.3961, 0.3797

Complementary

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



46.2871, 0.2546, 0.3436



22.3204, 0.4327, 0.3161

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.



46.2871, 0.3968, 0.3465



46.2871, 0.2546, 0.3436



46.2871, 0.3321, 0.2822

Square

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



46.2871, 0.2546, 0.3436



46.2871, 0.2537, 0.2594



46.2871, 0.3728, 0.3117



46.2871, 0.3719, 0.4028

Rectangle

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



46.2871, 0.2546, 0.3436



46.2871, 0.2330, 0.2804



46.2871, 0.3728, 0.3117



46.2871, 0.3992, 0.3693

Sweetspot

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



46.2889, 0.2546, 0.3436



93.1988, 0.2920, 0.3330



44.3322, 0.3131, 0.4783



19.7676, 0.2892, 0.3336



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.



46.2889, 0.2546, 0.3436



80.7449, 0.2460, 0.3475



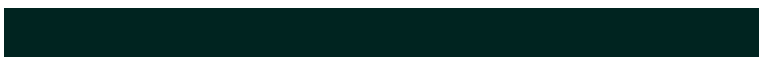
32.0054, 0.2385, 0.2722



12.0477, 0.2998, 0.3314



28.3456, 0.2337, 0.3614



1.3478, 0.2317, 0.3539

Inverse Universe

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



22.3204, 0.4327, 0.3161



32.6342, 0.4782, 0.3143



30.9256, 0.4209, 0.3780



10.6546, 0.3273, 0.3266



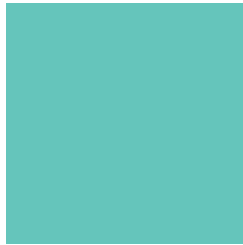
7.8483, 0.6264, 0.3225



0.3779, 0.5870, 0.3007

Previews

White Background



This preview shows how the Yxy color 46.2871, 0.2546, 0.3436 looks on a white background.

Color Contrast Check

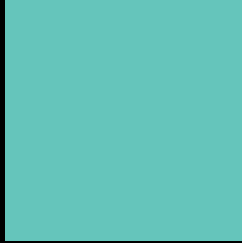
Large Text (above 18pt) WCAG AA × Fail

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 46.2871, 0.2546, 0.3436 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

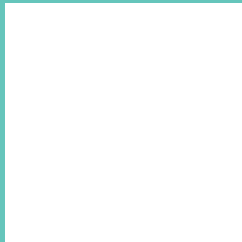
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2871, 0.2546, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 46.2871, 0.2546, 0.3436.

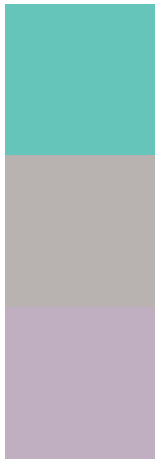


This preview shows how white text looks on a background with the Yxy color 46.2871, 0.2546, 0.3436.

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

46.2871, 0.2546, 0.3436

Protanopia

45.6049, 0.3187, 0.3316

Deuteranopia

45.6722, 0.3137, 0.3076



Tritanopia

46.3752, 0.2454, 0.3078

Trichromacy



Original Color

46.2871, 0.2546, 0.3436

Protanomaly

45.3240, 0.2907, 0.3359

Deuteranomaly

44.9556, 0.2880, 0.3194

Tritanomaly

46.2505, 0.2485, 0.3202

Monochromacy



Original Color

46.2871, 0.2546, 0.3436

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.7364, 0.2867, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2871, 0.2546, 0.3436 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(101, 197, 187)` looks like.

```
.text, #text, p{  
    color:rgb(101, 197, 187)  
}
```

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(101, 197, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 197, 187) }
```

Border

The CSS property to change the border of an element to Yxy 46.2871, 0.2546, 0.3436 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(101, 197, 187) }
```

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

```
.border{ border-color:rgb(101, 197, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 197, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 197, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 197, 187); box-shadow:4px 4px 4px 4px rgb(101, 197, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2871, 0.2546, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 197, 187) }
```

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

```
.background{ background-color: rgb(101,  
197, 187) }
```

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