

Converting Colors

$Yxy(43.6871, 0.2633, 0.3499)$

Have a look what the booklet for
Yxy(43.6871, 0.2633, 0.3499)
contains.

Yxy(43.6871, 0.2633, 0.3499)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.6871, 0.2633, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	6DBFB1
RGB	109, 191, 177
RGB Percent	43%, 75%, 69%
CMY	0.5725, 0.2510, 0.3059
CMYK	0.43, 0.00, 0.07, 0.25
HSL	170°, 39%, 59%
HSV	170°, 43%, 75%
XYZ	32.8746, 43.6871, 48.2943
YIQ	164.8860, -44.3780, -21.7380

Conversions

Conversions Part 2

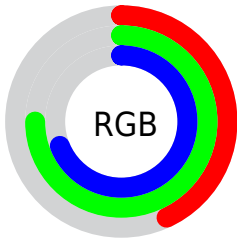
Format	Color
RYB	109, 154, 191
Decimal	7192497
CIELab	72.02, -28.42, -0.77
CIELCh	72, 28.426, 181.549
Yxy	43.6871, 0.2633, 0.3499
Android (android.graphics.Color)	4285382577 (0xFF6DBFB1)
YUV	164.8860, 5.9722, -49.0120
Hunter-Lab	66.0962, -26.8870, 2.9461

Details

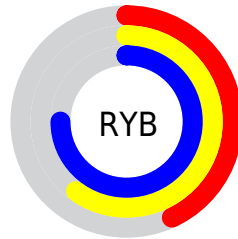
The Yxy color **43.6871, 0.2633, 0.3499** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.4482, 0.4036, 0.3100**, and the grayscale version is **37.5588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0173, 0.2724, 0.3460**, and **20.1289, 0.2486, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **42.4775, 0.2550, 0.3556**, and if you desaturate by 10%, it is **45.1665, 0.2731, 0.3444**.

Distribution



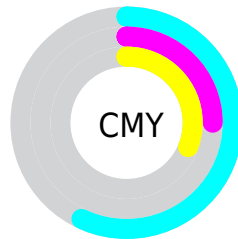
- Red (43%)
- Green (75%)
- Blue (69%)



- Red (43%)
- Yellow (60%)
- Blue (75%)



- Cyan (43%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)




- Cyan (57%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6871, 0.2633, 0.3499 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 43.6871, 0.2633, 0.3499 by changing the saturation by 10% instead.


 43.6871, 0.2633,
0.3499


 43.6871, 0.2633,
0.3499


361.4299, 0.2881,
0.3395


 30.4246, 0.2571,
0.3525


 80.7467, 0.2723,
0.3461

 20.1611, 0.2491,
0.3558


 105.3126, 0.2757,
0.3447

 12.5122, 0.2384,
0.3602


 134.4150, 0.2786,
0.3435

 7.0935, 0.2236,
0.3663

 168.4385, 0.2810,
0.3425

 3.5207, 0.2015,
0.3753

207.7673, 0.2832,
0.3416

 1.4092, 0.1591,
0.3926

252.7859, 0.2850,

 0.2235, 0.0000,

0.3408

0.4293

303.8786, 0.2867,
0.3401

0.0000, 0.0000,
0.0000

43.6871, 0.2633,
0.3499

43.6871, 0.2633,
0.3499

42.4775, 0.2550,
0.3556

45.1665, 0.2731,
0.3444

41.5152, 0.2484,
0.3616

46.9261, 0.2842,
0.3393

40.7827, 0.2437,
0.3677

48.9823, 0.2962,
0.3345

40.2578, 0.2409,
0.3738

51.3484, 0.3089,
0.3302

39.9140, 0.2399,
0.3799

54.0370, 0.3220,
0.3263

 39.7440, 0.2400,
0.3841

 57.0602, 0.3353,
0.3227

 60.4292, 0.3486,
0.3196

 62.8385, 0.3560,
0.3166

 62.9957, 0.3534,
0.3133

Harmonies

Analogous

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



43.6871, 0.2983, 0.3850



43.6871, 0.2633, 0.3499



43.6871, 0.2421, 0.3104

Triad

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



43.6871, 0.2633, 0.3499



43.6871, 0.2833, 0.2656



43.6871, 0.3925, 0.3717

Complementary

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



43.6871, 0.2633, 0.3499



23.4482, 0.4036, 0.3100

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.



43.6871, 0.3888, 0.3397



43.6871, 0.2633, 0.3499



43.6871, 0.3235, 0.2811

Square

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



43.6871, 0.2633, 0.3499



43.6871, 0.2531, 0.2647



43.6871, 0.3629, 0.3074



43.6871, 0.3735, 0.3954

Rectangle

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



43.6871, 0.2633, 0.3499



43.6871, 0.2377, 0.2886



43.6871, 0.3629, 0.3074



43.6871, 0.3939, 0.3615

Sweetspot

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



43.6888, 0.2633, 0.3499



87.6147, 0.2959, 0.3347



42.6553, 0.3177, 0.4562



19.0490, 0.2931, 0.3357



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.6888, 0.2633, 0.3499



76.0958, 0.2551, 0.3556



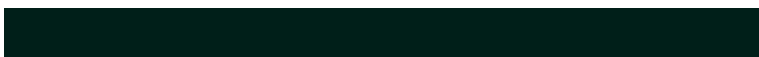
33.9387, 0.2485, 0.2890



10.7808, 0.3007, 0.3329



26.1293, 0.2398, 0.3833



1.0310, 0.2358, 0.3688

Inverse Universe

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



23.4482, 0.4036, 0.3100



34.8808, 0.4375, 0.3062



29.5032, 0.4071, 0.3649



9.5623, 0.3262, 0.3251



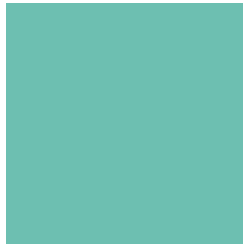
7.3584, 0.6124, 0.3147



0.2966, 0.5514, 0.2811

Previews

White Background



This preview shows how the Yxy color 43.6871, 0.2633, 0.3499 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 43.6871, 0.2633, 0.3499 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

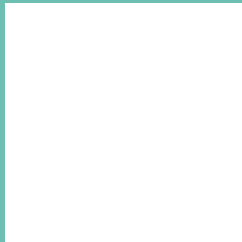
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6871, 0.2633, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 43.6871, 0.2633, 0.3499.

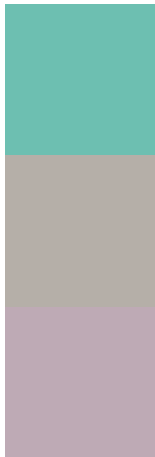


This preview shows how white text looks on a background with the Yxy color 43.6871, 0.2633, 0.3499.

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

43.6871, 0.2633, 0.3499

Protanopia

43.3109, 0.3239, 0.3384

Deuteranopia

43.0328, 0.3215, 0.3148



Tritanopia

43.5179, 0.2517, 0.3074

Trichromacy



Original Color

43.6871, 0.2633, 0.3499

Protanomaly

42.9566, 0.2987, 0.3431

Deuteranomaly

42.7131, 0.2967, 0.3262

Tritanomaly

43.3274, 0.2554, 0.3215

Monochromacy



Original Color

43.6871, 0.2633, 0.3499

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.1564, 0.2918, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6871, 0.2633, 0.3499 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(109, 191, 177)` looks like.

```
.text, #text, p{  
    color:rgb(109, 191, 177)  
}
```

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(109, 191, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 191, 177) }
```

Border

The CSS property to change the border of an element to Yxy 43.6871, 0.2633, 0.3499 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(109, 191, 177) }
```

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

```
.border{ border-color:rgb(109, 191, 177) }
```

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

Here you see how a box with a 4 pixel rgb(109, 191, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 191, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 191, 177);  
box-shadow:4px 4px 4px 4px rgb(109, 191,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6871, 0.2633, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 191, 177) }
```

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

```
.background{ background-color: rgb(109,  
191, 177) }
```

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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