

Converting Colors

$Y_{xy}(42.9852, 0.2691, 0.3203)$

Have a look what the booklet for
Yxy(42.9852, 0.2691, 0.3203)
contains.

Yxy(42.9852, 0.2691, 0.3203)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.9852, 0.2691, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	85B8BE
RGB	133, 184, 190
RGB Percent	52%, 72%, 75%
CMY	0.4782, 0.2785, 0.2549
CMYK	0.30, 0.03, 0.00, 0.25
HSL	186°, 30%, 63%
HSV	186°, 30%, 75%
XYZ	36.1140, 42.9852, 55.1037
YIQ	169.4350, -32.3220, -8.9460

Conversions

Conversions Part 2

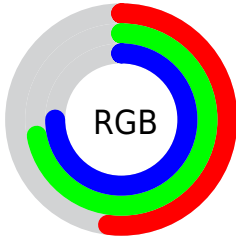
Format	Color
R_{YB}	133, 160, 190
Decimal	8763582
CIE _{Lab}	71.54, -15.20, -8.44
CIE _{LCh}	72, 17.390, 209.040
Yxy	42.9852, 0.2691, 0.3203
Android (android.graphics.Color)	4286953662 (0xFF85B8BE)
YUV	169.4350, 10.1385, -31.9535
Hunter-Lab	65.5631, -16.4126, -3.9372

Details

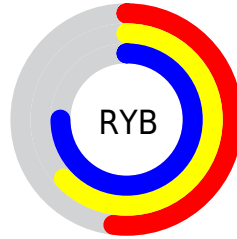
The Yxy color **42.9852, 0.2691, 0.3203** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.1252, 0.3764, 0.3375**, and the grayscale version is **39.8703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6654, 0.2773, 0.3223**, and **19.7881, 0.2566, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **40.7509, 0.2564, 0.3170**, and if you desaturate by 10%, it is **45.5145, 0.2829, 0.3234**.

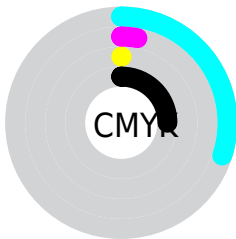
Distribution



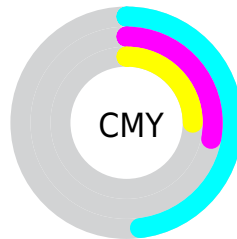
- Red (52%)
- Green (72%)
- Blue (75%)



- Red (52%)
- Yellow (63%)
- Blue (75%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)





- Cyan (48%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9852, 0.2691, 0.3203 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 42.9852, 0.2691, 0.3203 by changing the saturation by 10% instead.


 42.9852, 0.2691,
0.3203


 42.9852, 0.2691,
0.3203


358.5509, 0.2909,
0.3251

 29.8735, 0.2637,
0.3190


 79.6885, 0.2770,
0.3221

 19.7426, 0.2567,
0.3172


 104.0489, 0.2800,
0.3228

 12.2081, 0.2474,
0.3147


 132.9277, 0.2825,
0.3233

 6.8855, 0.2346,
0.3110


166.7093, 0.2847,
0.3238

 3.3906, 0.2156,
0.3049

205.7780, 0.2865,
0.3242

 1.3389, 0.1848,
0.2934

250.5182, 0.2882,

 0.1710, 0.0000,

0.3245

0.1805

301.3144, 0.2896,
0.3248

0.0000, 0.0000,
0.0000

42.9852, 0.2691,
0.3203

42.9852, 0.2691,
0.3203

40.7509, 0.2564,
0.3170

45.5145, 0.2829,
0.3234

38.7912, 0.2452,
0.3135

48.3476, 0.2976,
0.3263

37.0914, 0.2356,
0.3099

51.4993, 0.3128,
0.3290

35.6330, 0.2279,
0.3063

54.9818, 0.3283,
0.3314

34.3951, 0.2220,
0.3027

58.8068, 0.3438,
0.3336

■ 33.3530, 0.2180,
0.2990

■ 62.9854, 0.3591,
0.3355

■ 32.4579, 0.2154,
0.2955

■ 65.3699, 0.3652,
0.3375

■ 32.4548, 0.2154,
0.2955

■ 66.2915, 0.3646,
0.3395

■ 67.2253, 0.3641,
0.3416

Harmonies

Analogous

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



42.9852, 0.2838, 0.3439



42.9852, 0.2691, 0.3203



42.9852, 0.2657, 0.3004

Triad

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



42.9852, 0.2691, 0.3203



42.9852, 0.3176, 0.2975



42.9852, 0.3519, 0.3694

Complementary

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



42.9852, 0.2691, 0.3203



31.1252, 0.3764, 0.3375

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.



42.9852, 0.3620, 0.3550



42.9852, 0.2691, 0.3203



42.9852, 0.3418, 0.3142

Square

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



42.9852, 0.2691, 0.3203



42.9852, 0.2929, 0.2884



42.9852, 0.3583, 0.3349



42.9852, 0.3314, 0.3731

Rectangle

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



42.9852, 0.2691, 0.3203



42.9852, 0.2701, 0.2918



42.9852, 0.3583, 0.3349



42.9852, 0.3567, 0.3656

Sweetspot

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



42.9869, 0.2691, 0.3203



88.0659, 0.2988, 0.3266



43.6724, 0.3047, 0.4065



19.1629, 0.2966, 0.3262



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.



42.9869, 0.2691, 0.3203



75.1656, 0.2606, 0.3181



32.4308, 0.2644, 0.2781



10.6330, 0.2985, 0.3265



21.6509, 0.2155, 0.2959



0.8980, 0.2179, 0.3045

Inverse Universe

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



31.1991, 0.3222, 0.2626



50.5664, 0.3246, 0.2480



40.3599, 0.3655, 0.3750



9.6785, 0.3153, 0.3087



9.2154, 0.3490, 0.1696



0.3660, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 42.9852, 0.2691, 0.3203 looks on a white background.

Color Contrast Check

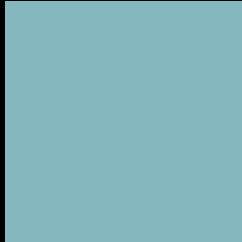
Large Text (above 18pt) WCAG AA × Fail

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 42.9852, 0.2691, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

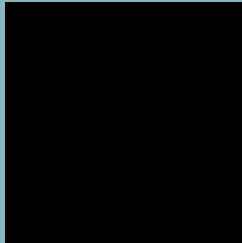
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

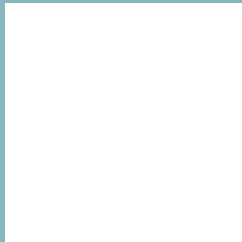
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9852, 0.2691, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 42.9852, 0.2691, 0.3203.

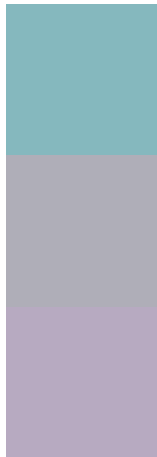


This preview shows how white text looks on a background with the Yxy color 42.9852, 0.2691, 0.3203.

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

42.9852, 0.2691, 0.3203

Protanopia

42.8468, 0.3055, 0.3156

Deuteranopia

42.6670, 0.3053, 0.2992



Tritanopia

43.0491, 0.2658, 0.3092

Trichromacy



Original Color

42.9852, 0.2691, 0.3203

Protanomaly

42.8595, 0.2914, 0.3180

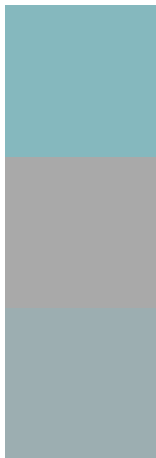
Deuteranomaly

42.4650, 0.2909, 0.3060

Tritanomaly

42.8303, 0.2670, 0.3133

Monochromacy



Original Color

42.9852, 0.2691, 0.3203

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.5143, 0.2948, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9852, 0.2691, 0.3203 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(133, 184, 190)` looks like.

```
.text, #text, p{  
    color:rgb(133, 184, 190)  
}
```

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(133, 184, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 184, 190) }
```

Border

The CSS property to change the border of an element to Yxy 42.9852, 0.2691, 0.3203 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(133, 184, 190) }
```

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

```
.border{ border-color:rgb(133, 184, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 184, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 184, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 184, 190);  
box-shadow:4px 4px 4px 4px rgb(133, 184,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9852, 0.2691, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 184, 190) }
```

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

```
.background{ background-color: rgb(133,  
184, 190) }
```

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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