

Converting Colors

$Y_{xy}(48.9944, 0.2932, 0.3305)$

Have a look what the booklet for
Yxy(48.9944, 0.2932, 0.3305)
contains.

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Color

Yxy(48.9786, 0.2929, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	A5BFBE
RGB	165, 191, 190
RGB Percent	65%, 75%, 75%
CMY	0.3531, 0.2509, 0.2549
CMYK	0.14, 0.00, 0.01, 0.25
HSL	178°, 17%, 70%
HSV	178°, 14%, 75%
XYZ	43.4327, 48.9786, 55.8739
YIQ	183.1120, -15.1750, -5.8230

Conversions

Conversions Part 2

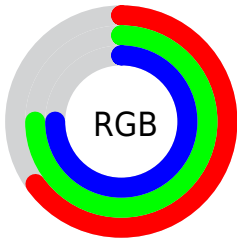
Format	Color
R_{YB}	165, 178, 191
Decimal	10862526
CIE _{Lab}	75.44, -9.01, -2.47
CIE _{LCh}	75, 9.341, 195.323
Yxy	48.9786, 0.2929, 0.3303
Android (android.graphics.Color)	4289052606 (0xFFA5BFBE)
YUV	183.1120, 3.3958, -15.8842
Hunter-Lab	69.9847, -11.6956, 1.6538

Details

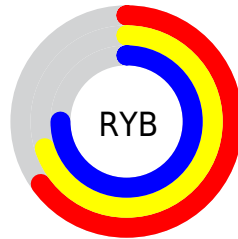
The Yxy color **48.9786, 0.2929, 0.3303** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7222, 0.3365, 0.3277**, and the grayscale version is **47.4016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3910, 0.2965, 0.3300**, and **23.4938, 0.2874, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **47.0510, 0.2794, 0.3314**, and if you desaturate by 10%, it is **51.2164, 0.3073, 0.3293**.

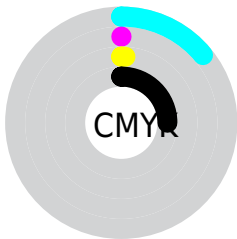
Distribution



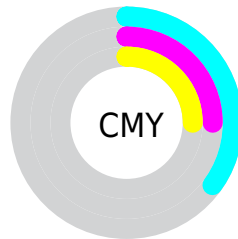
- Red (65%)
- Green (75%)
- Blue (75%)



- Red (65%)
- Yellow (70%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)




- Cyan (35%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9786, 0.2929, 0.3303 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 48.9786, 0.2929, 0.3303 by changing the saturation by 10% instead.


 48.9786, 0.2929,
0.3303


 48.9786, 0.2929,
0.3303

382.6581, 0.3027,
0.3297

 34.6025, 0.2905,
0.3304


 88.6597, 0.2964,
0.3301

 23.3568, 0.2874,
0.3306


 114.7334, 0.2978,
0.3300

 14.8572, 0.2834,
0.3307


145.4752, 0.2989,
0.3300

 8.7192, 0.2778,
0.3310

181.2694, 0.2999,
0.3299

 4.5585, 0.2695,
0.3312

222.5004, 0.3007,
0.3299

 1.9906, 0.2562,
0.3314

269.5525, 0.3015,

 0.6020, 0.1976,

0.3298

0.3378

322.8103, 0.3021,
0.3298

0.0000, 0.0000,
0.0000

48.9786, 0.2929,
0.3303

48.9786, 0.2929,
0.3303

47.0510, 0.2794,
0.3314

51.2164, 0.3073,
0.3293

45.4138, 0.2671,
0.3325

53.7709, 0.3223,
0.3285

44.0547, 0.2562,
0.3337

56.6560, 0.3376,
0.3277

42.9578, 0.2470,
0.3349

59.8833, 0.3530,
0.3270

42.1058, 0.2396,
0.3362

62.4137, 0.3638,
0.3263

■ 41.4792, 0.2341,
0.3375

■ 62.4476, 0.3632,
0.3255

■ 41.0556, 0.2305,
0.3388

■ 62.4816, 0.3625,
0.3247

■ 40.8081, 0.2286,
0.3401

■ 62.5158, 0.3619,
0.3240

■ 40.7090, 0.2280,
0.3409

■ 62.5502, 0.3613,
0.3232

Harmonies

Analogous

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



48.9786, 0.3029, 0.3416



48.9786, 0.2929, 0.3303



48.9786, 0.2882, 0.3189

Triad

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



48.9786, 0.2929, 0.3303



48.9786, 0.3094, 0.3096



48.9786, 0.3360, 0.3472

Complementary

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



48.9786, 0.2929, 0.3303



40.7222, 0.3365, 0.3277

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.



48.9786, 0.3379, 0.3383



48.9786, 0.2929, 0.3303



48.9786, 0.3224, 0.3169

Square

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



48.9786, 0.2929, 0.3303



48.9786, 0.2975, 0.3072



48.9786, 0.3329, 0.3273



48.9786, 0.3278, 0.3515

Rectangle

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



48.9786, 0.2929, 0.3303



48.9786, 0.2886, 0.3128



48.9786, 0.3329, 0.3273



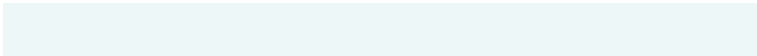
48.9786, 0.3374, 0.3447

Sweetspot

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



48.9806, 0.2929, 0.3303



91.5319, 0.3067, 0.3294



48.1185, 0.3121, 0.3645



20.0286, 0.3056, 0.3294



97.7402, 0.3127, 0.3290



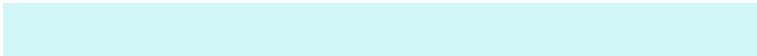
20.4902, 0.3127, 0.3290

Same Dimension

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



48.9806, 0.2929, 0.3303



86.7539, 0.2893, 0.3306



44.1112, 0.2917, 0.3132



10.8029, 0.2990, 0.3299



26.7505, 0.2280, 0.3407



1.0499, 0.2271, 0.3376

Inverse Universe

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



40.7222, 0.3365, 0.3277



69.4595, 0.3419, 0.3275



45.1111, 0.3354, 0.3443



9.5423, 0.3282, 0.3281



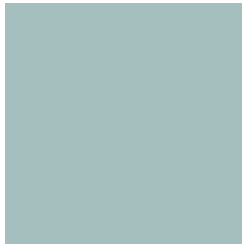
7.2929, 0.6351, 0.3272



0.2878, 0.6163, 0.3169

Previews

White Background



This preview shows how the Yxy color 48.9786, 0.2929, 0.3303 looks on a white background.

Color Contrast Check

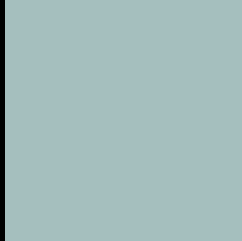
Large Text (above 18pt) WCAG AA × Fail

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 48.9786, 0.2929, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

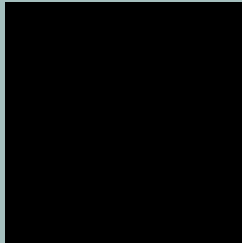
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

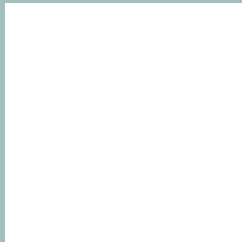
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9786, 0.2929, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 48.9786, 0.2929, 0.3303.

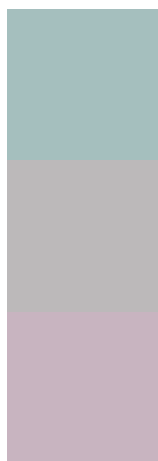


This preview shows how white text looks on a background with the Yxy color 48.9786, 0.2929, 0.3303.

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

48.9786, 0.2929, 0.3303

Protanopia

48.9345, 0.3145, 0.3277

Deuteranopia

48.7276, 0.3203, 0.3143



Tritanopia

48.9703, 0.2846, 0.3095

Trichromacy



Original Color

48.9786, 0.2929, 0.3303

Protanomaly

48.8318, 0.3070, 0.3290

Deuteranomaly

48.6074, 0.3098, 0.3201

Tritanomaly

49.0574, 0.2874, 0.3172

Monochromacy



Original Color

48.9786, 0.2929, 0.3303

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.8931, 0.3045, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9786, 0.2929, 0.3303 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(165, 191, 190)` looks like.

```
.text, #text, p{  
    color:rgb(165, 191, 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(165, 191, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 191, 190) }
```

Border

The CSS property to change the border of an element to Yxy 48.9786, 0.2929, 0.3303 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(165, 191, 190) }
```

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

```
.border{ border-color:rgb(165, 191, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 191, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 191, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 191, 190);  
box-shadow:4px 4px 4px 4px rgb(165, 191,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9786, 0.2929, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 191, 190) }
```

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

```
.background{ background-color: rgb(165,  
191, 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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