

Converting Colors

$Y_{xy}(47.3041, 0.2904, 0.3214)$

Have a look what the booklet for
Yxy(47.3041, 0.2904, 0.3214)
contains.

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Color

Yxy(47.2834, 0.2899, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	A4BBC1
RGB	164, 187, 193
RGB Percent	64%, 73%, 76%
CMY	0.3569, 0.2666, 0.2432
CMYK	0.15, 0.03, 0.00, 0.24
HSL	192°, 19%, 70%
HSV	192°, 15%, 76%
XYZ	42.7024, 47.2834, 57.3146
YIQ	180.8070, -15.6340, -3.0100

Conversions

Conversions Part 2

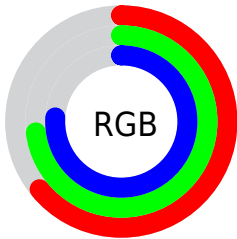
Format	Color
RYB	164, 177, 193
Decimal	10795969
CIELab	74.37, -6.58, -5.67
CIELCh	74, 8.688, 220.770
Yxy	47.2834, 0.2899, 0.3210
Android (android.graphics.Color)	4288986049 (0xFFA4BBC1)
YUV	180.8070, 6.0111, -14.7397
Hunter-Lab	68.7629, -9.4851, -1.2847

Details

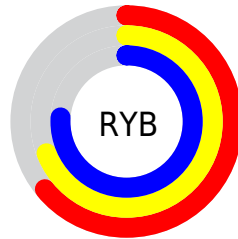
The Yxy color **47.2834, 0.2899, 0.3210** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7500, 0.3393, 0.3369**, and the grayscale version is **46.0717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0008, 0.2941, 0.3228**, and **22.3884, 0.2832, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **43.7225, 0.2752, 0.3151**, and if you desaturate by 10%, it is **51.2065, 0.3050, 0.3265**.

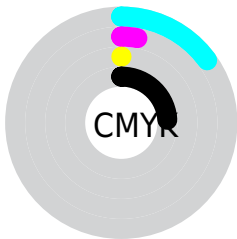
Distribution



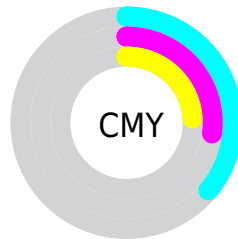
- Red (64%)
- Green (73%)
- Blue (76%)



- Red (64%)
- Yellow (69%)
- Blue (76%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)




- Cyan (36%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2834, 0.2899, 0.3210 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 47.2834, 0.2899, 0.3210 by changing the saturation by 10% instead.


 47.2834, 0.2899,
0.3210

 47.2834, 0.2899,
0.3210

375.9446, 0.3012,
0.3251

 33.2597, 0.2871,
0.3200


 86.1365, 0.2940,
0.3225

 22.3255, 0.2835,
0.3186


 111.7347, 0.2955,
0.3231

 14.0963, 0.2788,
0.3168

141.9599, 0.2968,
0.3235

 8.1877, 0.2723,
0.3142

177.1965, 0.2980,
0.3239

 4.2153, 0.2626,
0.3102

217.8289, 0.2989,
0.3243

 1.7947, 0.2470,
0.3033

264.2415, 0.2998,

 0.4839, 0.1754,

0.3246

0.2835

316.8186, 0.3005,
0.3249

0.0000, 0.0000,
0.0000

47.2834, 0.2899,
0.3210

47.2834, 0.2899,
0.3210

43.7225, 0.2752,
0.3151

51.2065, 0.3050,
0.3265

40.5034, 0.2612,
0.3087

55.4993, 0.3203,
0.3314

37.6128, 0.2482,
0.3018

60.1764, 0.3355,
0.3358

35.0338, 0.2365,
0.2947

65.2501, 0.3504,
0.3398

32.7480, 0.2265,
0.2874

69.6772, 0.3606,
0.3435

■ 30.7347, 0.2183,
0.2799

■ 71.6259, 0.3596,
0.3475

■ 28.9701, 0.2121,
0.2724

■ 73.6234, 0.3587,
0.3515

■ 27.4251, 0.2077,
0.2649

■ 75.6701, 0.3577,
0.3555

■ 26.7085, 0.2059,
0.2612

■ 77.7663, 0.3568,
0.3595

Harmonies

Analogous

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



47.2834, 0.2952, 0.3319



47.2834, 0.2899, 0.3210



47.2834, 0.2906, 0.3125

Triad

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



47.2834, 0.2899, 0.3210



47.2834, 0.3200, 0.3163



47.2834, 0.3284, 0.3499

Complementary

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



47.2834, 0.2899, 0.3210



42.7500, 0.3393, 0.3369

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.



47.2834, 0.3353, 0.3451



47.2834, 0.2899, 0.3210



47.2834, 0.3305, 0.3258

Square

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



47.2834, 0.2899, 0.3210



47.2834, 0.3078, 0.3101



47.2834, 0.3361, 0.3363



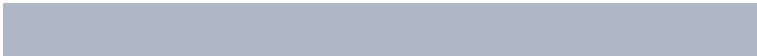
47.2834, 0.3173, 0.3489

Rectangle

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



47.2834, 0.2899, 0.3210



47.2834, 0.2943, 0.3093



47.2834, 0.3361, 0.3363



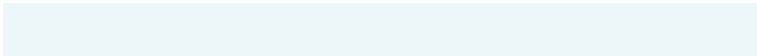
47.2834, 0.3313, 0.3489

Sweetspot

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



47.2854, 0.2899, 0.3210



91.6917, 0.3050, 0.3264



48.9164, 0.3066, 0.3605



19.5596, 0.3039, 0.3261



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.



47.2854, 0.2899, 0.3210



82.5586, 0.2850, 0.3191



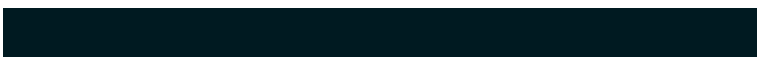
41.5088, 0.2892, 0.3015



11.0648, 0.2984, 0.3241



17.8857, 0.2062, 0.2622



0.8638, 0.2108, 0.2787

Inverse Universe

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



41.4712, 0.3196, 0.2997



70.2581, 0.3213, 0.2931



48.4132, 0.3365, 0.3551



10.2108, 0.3168, 0.3109



9.0878, 0.3803, 0.1869



0.4018, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 47.2834, 0.2899, 0.3210 looks on a white background.

Color Contrast Check

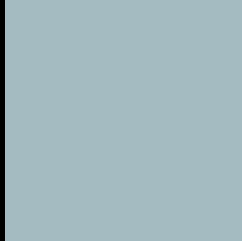
Large Text (above 18pt) WCAG AA × Fail

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 47.2834, 0.2899, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

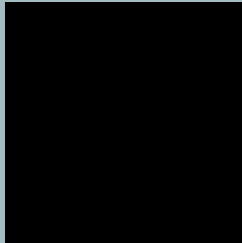
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2834, 0.2899, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 47.2834, 0.2899, 0.3210.



This preview shows how white text looks on a background with the Yxy color 47.2834, 0.2899, 0.3210.

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

47.2834, 0.2899, 0.3210

Protanopia

47.3639, 0.3081, 0.3187

Deuteranopia

46.9865, 0.3138, 0.3066



Tritanopia

47.3342, 0.2850, 0.3093

Trichromacy



Original Color

47.2834, 0.2899, 0.3210

Protanomaly

47.3897, 0.3016, 0.3199

Deuteranomaly

47.1331, 0.3051, 0.3124

Tritanomaly

47.1944, 0.2871, 0.3131

Monochromacy



Original Color

47.2834, 0.2899, 0.3210

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.4837, 0.3045, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2834, 0.2899, 0.3210 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(164, 187, 193)` looks like.

```
.text, #text, p{  
    color:rgb(164, 187, 193)  
}
```

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(164, 187, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 187, 193) }
```

Border

The CSS property to change the border of an element to Yxy 47.2834, 0.2899, 0.3210 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(164, 187, 193) }
```

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

```
.border{ border-color:rgb(164, 187, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 187, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 187, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 187, 193);  
box-shadow:4px 4px 4px 4px rgb(164, 187,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2834, 0.2899, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 187, 193) }
```

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

```
.background{ background-color: rgb(164,  
187, 193) }
```

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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