

Converting Colors

$Y_{xy}(51.5720, 0.2827, 0.3182)$

Have a look what the booklet for
Yxy(51.5720, 0.2827, 0.3182)
contains.

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Color

Yxy(51.7320, 0.2830, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	A4C4CC
RGB	164, 196, 204
RGB Percent	64%, 77%, 80%
CMY	0.3568, 0.2314, 0.2000
CMYK	0.20, 0.04, 0.00, 0.20
HSL	192°, 28%, 72%
HSV	192°, 20%, 80%
XYZ	45.9515, 51.7320, 64.6894
YIQ	187.3440, -21.6400, -4.2960

Conversions

Conversions Part 2

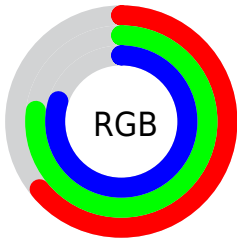
Format	Color
R_{YB}	164, 182, 204
Decimal	10798284
CIE _{Lab}	77.12, -8.96, -7.58
CIE _{LCh}	77, 11.733, 220.250
Yxy	51.7320, 0.2830, 0.3186
Android (android.graphics.Color)	4288988364 (0xFFA4C4CC)
YUV	187.3440, 8.2114, -20.4727
Hunter-Lab	71.9250, -11.8283, -2.9780

Details

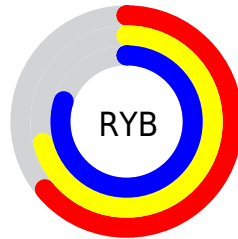
The Yxy color **51.7320, 0.2830, 0.3186** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.0314, 0.3492, 0.3392**, and the grayscale version is **49.8632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5306, 0.2911, 0.3269**, and **24.9275, 0.2745, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **47.9179, 0.2685, 0.3126**, and if you desaturate by 10%, it is **55.9486, 0.2980, 0.3241**.

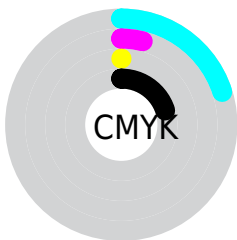
Distribution



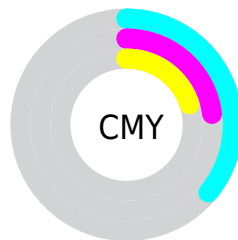
- Red (64%)
- Green (77%)
- Blue (80%)



- Red (64%)
- Yellow (71%)
- Blue (80%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)





- Cyan (36%)
- Magenta (23%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7320, 0.2830, 0.3186 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 51.7320, 0.2830, 0.3186 by changing the saturation by 10% instead.


 51.7320, 0.2830,
0.3186


 51.7320, 0.2830,
0.3186


393.4011, 0.2975,
0.3239

 36.7915, 0.2795,
0.3173


 92.7359, 0.2882,
0.3205

 25.0461, 0.2751,
0.3156


 119.5680, 0.2901,
0.3212

 16.1114, 0.2693,
0.3133


151.1329, 0.2918,
0.3219

 9.6030, 0.2614,
0.3100

187.8148, 0.2933,
0.3224

 5.1366, 0.2501,
0.3052

229.9982, 0.2945,
0.3228

 2.3276, 0.2326,
0.2972

278.0674, 0.2956,

 0.7883, 0.1914,

0.3232

0.2843

332.4069, 0.2966,
0.3236

0.0000, 0.0000,
0.0000

51.7320, 0.2830,
0.3186

51.7320, 0.2830,
0.3186

47.9179, 0.2685,
0.3126

55.9486, 0.2980,
0.3241

44.4830, 0.2550,
0.3062

60.5771, 0.3133,
0.3292

41.4112, 0.2426,
0.2994

65.6347, 0.3287,
0.3337

38.6822, 0.2318,
0.2923

71.1354, 0.3438,
0.3378

36.2741, 0.2227,
0.2851

74.9422, 0.3502,
0.3418

■ 34.1615, 0.2155,
0.2778

■ 77.0653, 0.3494,
0.3459

■ 32.3147, 0.2102,
0.2705

■ 79.2407, 0.3486,
0.3499

■ 30.6810, 0.2065,
0.2633

■ 81.4689, 0.3479,
0.3540

■ 30.6173, 0.2064,
0.2630

■ 83.7502, 0.3471,
0.3580

Harmonies

Analogous

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



51.7320, 0.2900, 0.3330



51.7320, 0.2830, 0.3186



51.7320, 0.2837, 0.3075

Triad

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



51.7320, 0.2830, 0.3186



51.7320, 0.3220, 0.3122



51.7320, 0.3335, 0.3564

Complementary

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



51.7320, 0.2830, 0.3186



45.0314, 0.3492, 0.3392

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.



51.7320, 0.3425, 0.3499



51.7320, 0.2830, 0.3186



51.7320, 0.3358, 0.3245

Square

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



51.7320, 0.2830, 0.3186



51.7320, 0.3059, 0.3043



51.7320, 0.3434, 0.3381



51.7320, 0.3190, 0.3553

Rectangle

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



51.7320, 0.2830, 0.3186



51.7320, 0.2885, 0.3034



51.7320, 0.3434, 0.3381



51.7320, 0.3372, 0.3550

Sweetspot

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



51.7341, 0.2830, 0.3186



95.2749, 0.3034, 0.3260



54.0597, 0.3047, 0.3714



20.2860, 0.3024, 0.3256



0.0000, 0.0000, 0.0000



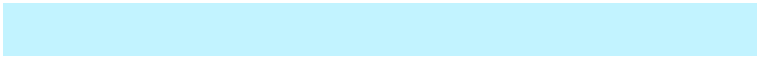
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7341, 0.2830, 0.3186



82.6166, 0.2761, 0.3158



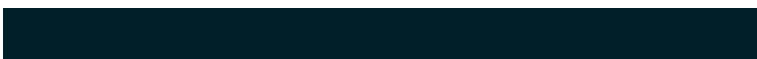
43.3106, 0.2814, 0.2920



12.3308, 0.2983, 0.3243



19.4049, 0.2067, 0.2640



1.1006, 0.2106, 0.2781

Inverse Universe

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



43.3811, 0.3219, 0.2900



66.2108, 0.3244, 0.2803



53.2205, 0.3446, 0.3635



11.3638, 0.3168, 0.3107



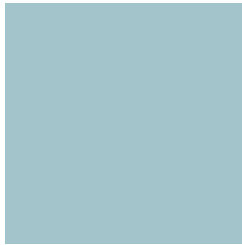
9.7619, 0.3785, 0.1859



0.5136, 0.3652, 0.1786

Previews

White Background



This preview shows how the Yxy color 51.7320, 0.2830, 0.3186 looks on a white background.

Color Contrast Check

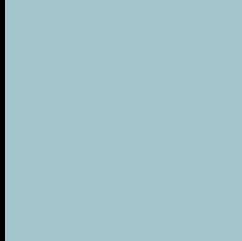
Large Text (above 18pt) WCAG AA × Fail

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 51.7320, 0.2830, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

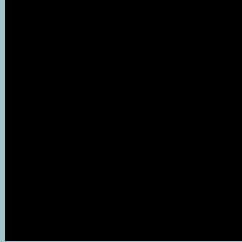
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

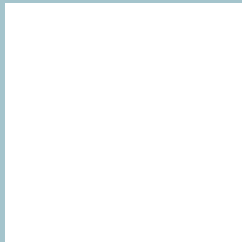
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7320, 0.2830, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 51.7320, 0.2830, 0.3186.



This preview shows how white text looks on a background with the Yxy color 51.7320, 0.2830, 0.3186.

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

51.7320, 0.2830, 0.3186

Protanopia

51.6417, 0.3061, 0.3154

Deuteranopia

51.5717, 0.3098, 0.3039



Tritanopia

51.7327, 0.2791, 0.3085

Trichromacy



Original Color

51.7320, 0.2830, 0.3186

Protanomaly

51.7401, 0.2974, 0.3177

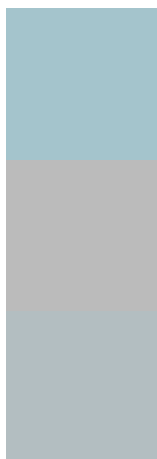
Deuteranomaly

51.4943, 0.3000, 0.3092

Tritanomaly

51.5836, 0.2810, 0.3123

Monochromacy



Original Color

51.7320, 0.2830, 0.3186

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.2609, 0.3016, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7320, 0.2830, 0.3186 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, 196, 204)` looks like.

```
.text, #text, p{  
    color:rgb(164, 196, 204)  
}
```

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, 196, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 196, 204) }
```

Border

The CSS property to change the border of an element to Yxy 51.7320, 0.2830, 0.3186 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, 196, 204) }
```

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

```
.border{ border-color:rgb(164, 196, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 196, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 196, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 196, 204);  
box-shadow:4px 4px 4px 4px rgb(164, 196,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7320, 0.2830, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 196, 204) }
```

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

```
.background{ background-color: rgb(164,  
196, 204) }
```

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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