

Converting Colors

$Y_{xy}(52.5110, 0.2829, 0.3142)$

Have a look what the booklet for
Yxy(52.5110, 0.2829, 0.3142)
contains.

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Color

Yxy(52.3588, 0.2832, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	A8C4D0
RGB	168, 196, 208
RGB Percent	66%, 77%, 82%
CMY	0.3413, 0.2313, 0.1844
CMYK	0.19, 0.06, 0.00, 0.18
HSL	198°, 30%, 74%
HSV	198°, 19%, 82%
XYZ	47.2681, 52.3588, 67.2803
YIQ	188.9960, -20.5400, -2.2040

Conversions

Conversions Part 2

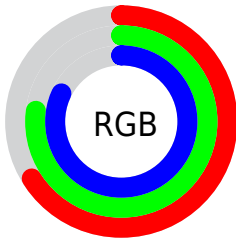
Format	Color
RYB	168, 184, 208
Decimal	11060432
CIELab	77.49, -6.86, -9.15
CIELCh	77, 11.435, 233.154
Yxy	52.3588, 0.2832, 0.3137
Android (android.graphics.Color)	4289250512 (0xFFA8C4D0)
YUV	188.9960, 9.3690, -18.4135
Hunter-Lab	72.3594, -10.0254, -4.4767

Details

The Yxy color **52.3588, 0.2832, 0.3137** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.8574, 0.3475, 0.3438**, and the grayscale version is **50.8392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3179, 0.2940, 0.3269**, and **25.3239, 0.2747, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **47.5076, 0.2681, 0.3046**, and if you desaturate by 10%, it is **57.6959, 0.2985, 0.3220**.

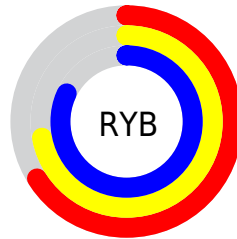
Distribution



Red (66%)

Green (77%)

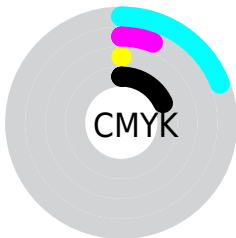
Blue (82%)



Red (66%)

Yellow (72%)

Blue (82%)

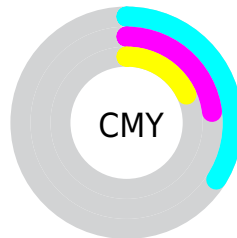


Cyan (19%)

Magenta (6%)

Yellow (0%)

Black (18%)



Cyan (34%)

Magenta (23%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3588, 0.2832, 0.3137 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 52.3588, 0.2832, 0.3137 by changing the saturation by 10% instead.

■ 52.3588, 0.2832,
0.3137

■ 52.3588, 0.2832,
0.3137

■ 395.8202, 0.2975,
0.3213

■ 37.2911, 0.2797,
0.3118

■ 93.6602, 0.2883,
0.3165

■ 25.4330, 0.2754,
0.3094

■ 120.6627, 0.2903,
0.3175

■ 16.3999, 0.2697,
0.3062

■ 152.4123, 0.2919,
0.3184

■ 9.8076, 0.2619,
0.3017

■ 189.2933, 0.2934,
0.3191

■ 5.2716, 0.2509,
0.2952

■ 231.6903, 0.2946,
0.3198

■ 2.4075, 0.2337,
0.2846

■ 279.9875, 0.2957,

■ 0.8297, 0.1993,

0.3204

0.2661

334.5693, 0.2967,
0.3209

0.0000, 0.0000,
0.0000

52.3588, 0.2832,
0.3137

52.3588, 0.2832,
0.3137

47.5076, 0.2681,
0.3046

57.6959, 0.2985,
0.3220

43.1171, 0.2536,
0.2948

63.5300, 0.3139,
0.3295

39.1694, 0.2401,
0.2844

69.8799, 0.3290,
0.3363

35.6426, 0.2279,
0.2735

76.7611, 0.3437,
0.3423

32.5122, 0.2172,
0.2623

80.8267, 0.3454,
0.3484

■ 29.7510, 0.2085,
0.2509

■ 84.2966, 0.3443,
0.3545

■ 27.3268, 0.2018,
0.2395

■ 87.8910, 0.3432,
0.3605

■ 25.1867, 0.1969,
0.2284

■ 91.6110, 0.3421,
0.3665

■ 25.0300, 0.1965,
0.2275

■ 95.4578, 0.3411,
0.3723

Harmonies

Analogous

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



52.3588, 0.2869, 0.3267



52.3588, 0.2832, 0.3137



52.3588, 0.2872, 0.3052

Triad

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



52.3588, 0.2832, 0.3137



52.3588, 0.3280, 0.3175



52.3588, 0.3272, 0.3561

Complementary

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



52.3588, 0.2832, 0.3137



48.8574, 0.3475, 0.3438

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.



52.3588, 0.3387, 0.3528



52.3588, 0.2832, 0.3137



52.3588, 0.3392, 0.3304

Square

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



52.3588, 0.2832, 0.3137



52.3588, 0.3128, 0.3076



52.3588, 0.3432, 0.3432



52.3588, 0.3121, 0.3518

Rectangle

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



52.3588, 0.2832, 0.3137



52.3588, 0.2937, 0.3031



52.3588, 0.3432, 0.3432



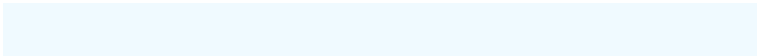
52.3588, 0.3317, 0.3558

Sweetspot

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



52.3609, 0.2832, 0.3137



94.3258, 0.3034, 0.3245



56.6951, 0.3027, 0.3661



20.0612, 0.3024, 0.3240



0.0000, 0.0000, 0.0000



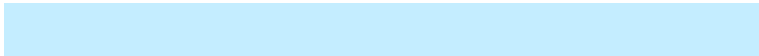
21.4041, 0.3127, 0.3290

Same Dimension

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



52.3609, 0.2832, 0.3137



79.8297, 0.2771, 0.3101



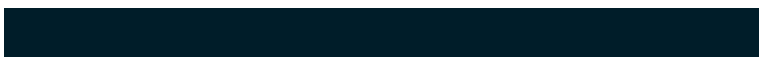
44.1801, 0.2817, 0.2882



12.7847, 0.2983, 0.3219



15.7782, 0.1970, 0.2291



1.0174, 0.2027, 0.2496

Inverse Universe

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



45.3907, 0.3251, 0.2953



67.0385, 0.3282, 0.2879



57.2277, 0.3433, 0.3667



11.9462, 0.3183, 0.3128



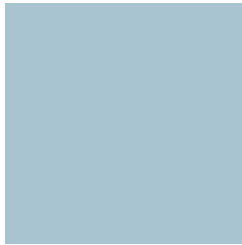
9.6641, 0.4136, 0.2052



0.5540, 0.3926, 0.1936

Previews

White Background



This preview shows how the Yxy color 52.3588, 0.2832, 0.3137 looks on a white background.

Color Contrast Check

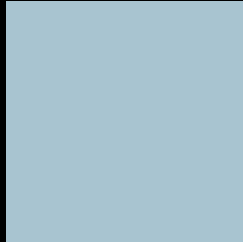
Large Text (above 18pt) WCAG AA × Fail

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 52.3588, 0.2832, 0.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

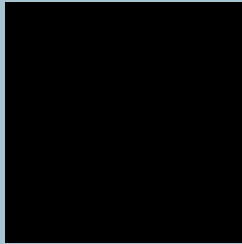
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

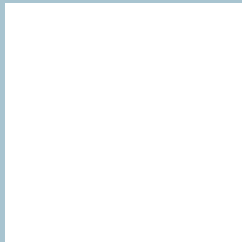
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3588, 0.2832, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 52.3588, 0.2832, 0.3137.

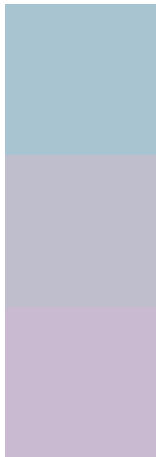


This preview shows how white text looks on a background with the Yxy color 52.3588, 0.2832, 0.3137.

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

52.3588, 0.2832, 0.3137

Protanopia

52.2629, 0.3031, 0.3118

Deuteranopia

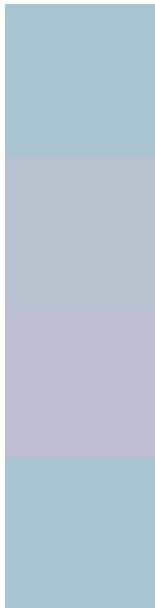
52.1885, 0.3067, 0.3004



Tritanopia

52.6180, 0.2820, 0.3100

Trichromacy



Original Color

52.3588, 0.2832, 0.3137

Protanomaly

52.1743, 0.2962, 0.3128

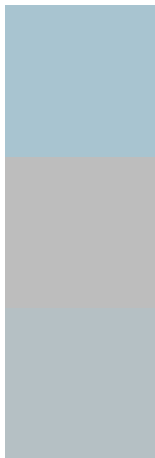
Deuteranomaly

52.2492, 0.2979, 0.3058

Tritanomaly

52.5680, 0.2826, 0.3112

Monochromacy



Original Color

52.3588, 0.2832, 0.3137

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.5086, 0.3010, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3588, 0.2832, 0.3137 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(168, 196, 208)` looks like.

```
.text, #text, p{  
    color:rgb(168, 196, 208)  
}
```

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(168, 196, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 196, 208) }
```

Border

The CSS property to change the border of an element to Yxy 52.3588, 0.2832, 0.3137 is called "border". The border property can be set on classes, ids or directly on the HTML element.

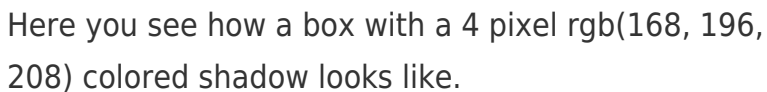
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 196, 208) }
```

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

```
.border{ border-color:rgb(168, 196, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 196, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 196, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 196, 208);  
box-shadow:4px 4px 4px 4px rgb(168, 196,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3588, 0.2832, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 196, 208) }
```

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

```
.background{ background-color: rgb(168,  
196, 208) }
```

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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