

Converting Colors

$Yxy(52.3089, 0.2900, 0.3241)$

Have a look what the booklet for
Yxy(52.3089, 0.2900, 0.3241)
contains.

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Color

Yxy(52.1960, 0.2900, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	AAC4C8
RGB	170, 196, 200
RGB Percent	67%, 77%, 78%
CMY	0.3332, 0.2314, 0.2157
CMYK	0.15, 0.02, 0.00, 0.22
HSL	188°, 21%, 73%
HSV	188°, 15%, 78%
XYZ	46.7475, 52.1960, 62.2548
YIQ	188.6820, -16.7800, -4.2680

Conversions

Conversions Part 2

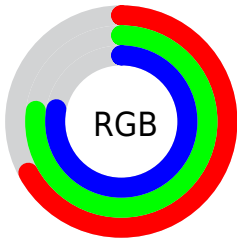
Format	Color
RYB	170, 184, 200
Decimal	11191496
CIELab	77.40, -7.90, -4.97
CIELCh	77, 9.330, 212.160
Yxy	52.1960, 0.2900, 0.3238
Android (android.graphics.Color)	4289381576 (0xFFAAC4C8)
YUV	188.6820, 5.5798, -16.3841
Hunter-Lab	72.2468, -10.9330, -0.5172

Details

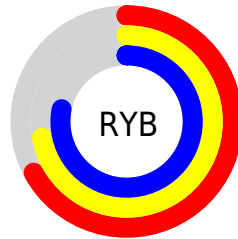
The Yxy color **52.1960, 0.2900, 0.3238** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4690, 0.3397, 0.3341**, and the grayscale version is **50.6764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6393, 0.2952, 0.3269**, and **25.2032, 0.2835, 0.3219** is the 20% darker color. If you saturate the color by 10%, you get **48.9407, 0.2756, 0.3200**, and if you desaturate by 10%, it is **55.8162, 0.3051, 0.3274**.

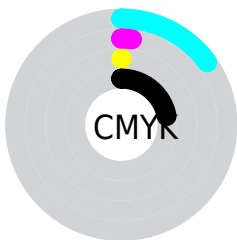
Distribution



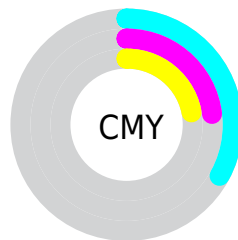
- Red (67%)
- Green (77%)
- Blue (78%)



- Red (67%)
- Yellow (72%)
- Blue (78%)



- Cyan (15%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)





- Cyan (33%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1960, 0.2900, 0.3238 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 52.1960, 0.2900, 0.3238 by changing the saturation by 10% instead.

 52.1960, 0.2900,
0.3238

 52.1960, 0.2900,
0.3238

395.1928, 0.3011,
0.3265

 37.1613, 0.2873,
0.3231


 93.4202, 0.2940,
0.3248

 25.3324, 0.2839,
0.3223

120.3786, 0.2955,
0.3251

 16.3249, 0.2795,
0.3211


152.0803, 0.2968,
0.3254

 9.7543, 0.2734,
0.3194

188.9097, 0.2979,
0.3257

 5.2364, 0.2646,
0.3169

231.2513, 0.2988,
0.3259

 2.3866, 0.2509,
0.3127

279.4894, 0.2997,

 0.8190, 0.2193,

0.3261

0.3067

334.0085, 0.3004,
0.3263

0.0000, 0.0000,
0.0000

52.1960, 0.2900,
0.3238

52.1960, 0.2900,
0.3238

48.9407, 0.2756,
0.3200

55.8162, 0.3051,
0.3274

46.0284, 0.2621,
0.3158

59.8093, 0.3205,
0.3306

43.4448, 0.2498,
0.3115

64.1910, 0.3360,
0.3335

41.1719, 0.2390,
0.3070

68.9741, 0.3513,
0.3361

39.1898, 0.2300,
0.3023

71.2077, 0.3546,
0.3387

■ 37.4762, 0.2228,
0.2976

■ 72.5331, 0.3541,
0.3414

■ 36.0054, 0.2175,
0.2929

■ 73.8807, 0.3535,
0.3441

■ 34.7459, 0.2141,
0.2882

■ 75.2505, 0.3529,
0.3468

■ 34.1636, 0.2128,
0.2859

■ 76.6426, 0.3524,
0.3495

Harmonies

Analogous

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



52.1960, 0.2971, 0.3354



52.1960, 0.2900, 0.3238



52.1960, 0.2888, 0.3140

Triad

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



52.1960, 0.2900, 0.3238



52.1960, 0.3167, 0.3135



52.1960, 0.3316, 0.3498

Complementary

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



52.1960, 0.2900, 0.3238



45.4690, 0.3397, 0.3341

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.



52.1960, 0.3372, 0.3435



52.1960, 0.2900, 0.3238



52.1960, 0.3284, 0.3226

Square

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



52.1960, 0.2900, 0.3238



52.1960, 0.3041, 0.3083



52.1960, 0.3360, 0.3335



52.1960, 0.3211, 0.3506

Rectangle

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



52.1960, 0.2900, 0.3238



52.1960, 0.2916, 0.3097



52.1960, 0.3360, 0.3335



52.1960, 0.3342, 0.3483

Sweetspot

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



52.1982, 0.2900, 0.3238



97.2500, 0.3065, 0.3277



52.9159, 0.3080, 0.3632



20.7074, 0.3053, 0.3274



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.



52.1982, 0.2900, 0.3238



88.4589, 0.2852, 0.3226



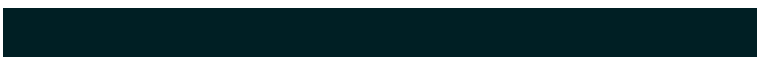
45.7757, 0.2893, 0.3042



11.8164, 0.2984, 0.3258



21.8172, 0.2129, 0.2866



1.1018, 0.2156, 0.2962

Inverse Universe

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



45.0260, 0.3178, 0.2971



73.7412, 0.3190, 0.2899



51.5836, 0.3369, 0.3527



10.7913, 0.3158, 0.3092



9.7425, 0.3574, 0.1743



0.4683, 0.3487, 0.1695

Previews

White Background



This preview shows how the Yxy color 52.1960, 0.2900, 0.3238 looks on a white background.

Color Contrast Check

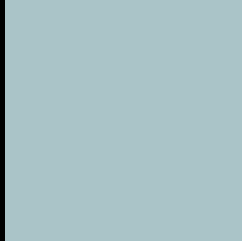
Large Text (above 18pt) WCAG AA × Fail

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 52.1960, 0.2900, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

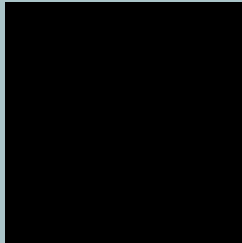
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

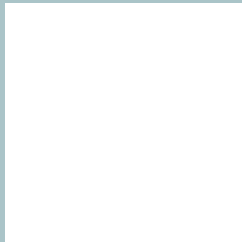
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1960, 0.2900, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 52.1960, 0.2900, 0.3238.



This preview shows how white text looks on a background with the Yxy color 52.1960, 0.2900, 0.3238.

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

52.1960, 0.2900, 0.3238

Protanopia

52.1499, 0.3106, 0.3216

Deuteranopia

51.7996, 0.3153, 0.3087



Tritanopia

52.0074, 0.2846, 0.3088

Trichromacy



Original Color

52.1960, 0.2900, 0.3238

Protanomaly

52.0448, 0.3034, 0.3227

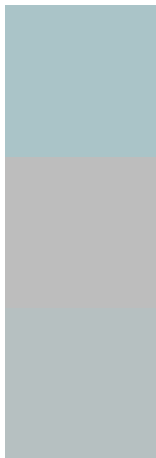
Deuteranomaly

51.8187, 0.3061, 0.3142

Tritanomaly

52.1444, 0.2866, 0.3150

Monochromacy



Original Color

52.1960, 0.2900, 0.3238

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.4946, 0.3040, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1960, 0.2900, 0.3238 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(170, 196, 200)` looks like.

```
.text, #text, p{  
    color:rgb(170, 196, 200)  
}
```

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(170, 196, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 196, 200) }
```

Border

The CSS property to change the border of an element to Yxy 52.1960, 0.2900, 0.3238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

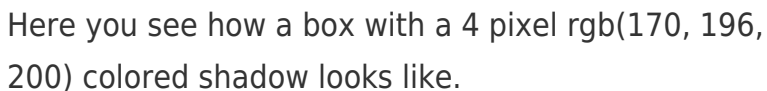
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 196, 200) }
```

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

```
.border{ border-color:rgb(170, 196, 200) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 196, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 196, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 196, 200); box-shadow:4px 4px 4px 4px rgb(170, 196, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1960, 0.2900, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 196, 200) }
```

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

```
.background{ background-color: rgb(170,  
196, 200) }
```

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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