

Converting Colors

$Yxy(51.8060, 0.2820, 0.3507)$

Have a look what the booklet for
Yxy(51.8060, 0.2820, 0.3507)
contains.

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Color

Yxy(51.8060, 0.2820, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	91CABA
RGB	145, 202, 186
RGB Percent	57%, 79%, 73%
CMY	0.4315, 0.2078, 0.2706
CMYK	0.28, 0.00, 0.08, 0.21
HSL	163°, 35%, 68%
HSV	163°, 28%, 79%
XYZ	41.6575, 51.8060, 54.2582
YIQ	183.1330, -28.8360, -17.0600

Conversions

Conversions Part 2

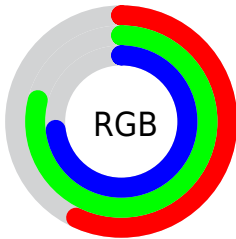
Format	Color
RYB	145, 178, 202
Decimal	9554618
CIELab	77.16, -21.77, 2.07
CIELCh	77, 21.870, 174.577
Yxy	51.8060, 0.2820, 0.3507
Android (android.graphics.Color)	4287744698 (0xFF91CABA)
YUV	183.1330, 1.4134, -33.4426
Hunter-Lab	71.9764, -22.6489, 5.6887

Details

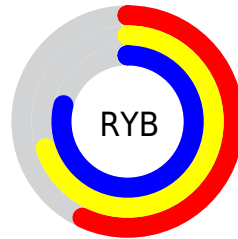
The Yxy color **51.8060, 0.2820, 0.3507** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.3750, 0.3568, 0.3085**, and the grayscale version is **47.4333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2102, 0.2872, 0.3427**, and **25.2004, 0.2740, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **49.8972, 0.2726, 0.3597**, and if you desaturate by 10%, it is **54.0549, 0.2923, 0.3424**.

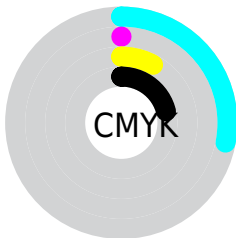
Distribution



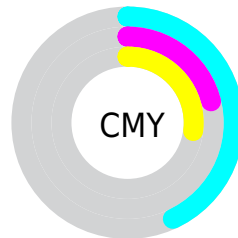
- Red (57%)
- Green (79%)
- Blue (73%)



- Red (57%)
- Yellow (70%)
- Blue (79%)



- Cyan (28%)
- Magenta (0%)
- Yellow (8%)
- Black (21%)



- Cyan (43%)
- Magenta (21%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8060, 0.2820, 0.3507 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 51.8060, 0.2820, 0.3507 by changing the saturation by 10% instead.


 51.8060, 0.2820,
0.3507

 51.8060, 0.2820,
0.3507


393.6872, 0.2971,
0.3400

 36.8505, 0.2783,
0.3534


 92.8451, 0.2874,
0.3468

 25.0917, 0.2736,
0.3568


 119.6974, 0.2895,
0.3454

 16.1454, 0.2674,
0.3612

151.2841, 0.2912,
0.3441

 9.6271, 0.2589,
0.3675

187.9896, 0.2927,
0.3430

 5.1524, 0.2465,
0.3767

230.1982, 0.2941,
0.3421

 2.3370, 0.2267,
0.3916

278.2945, 0.2952,

 0.7932, 0.1282,

0.3413

0.4572

332.6627, 0.2962,
0.3406

0.0000, 0.0000,
0.0000

51.8060, 0.2820,
0.3507

51.8060, 0.2820,
0.3507

49.8972, 0.2726,
0.3597

54.0549, 0.2923,
0.3424

48.3046, 0.2646,
0.3693

56.6537, 0.3033,
0.3347

47.0115, 0.2580,
0.3794


59.6194, 0.3148,
0.3278

45.9968, 0.2533,
0.3898


62.9664, 0.3264,
0.3217

45.2366, 0.2505,
0.4004


66.7079, 0.3380,
0.3162

 44.7028, 0.2497,
0.4110


 68.6735, 0.3407,
0.3108

 44.3531, 0.2507,
0.4215

 68.9791, 0.3364,
0.3051

 44.2989, 0.2509,
0.4234

 69.2950, 0.3322,
0.2996

 69.6213, 0.3280,
0.2941

Harmonies

Analogous

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



51.8060, 0.3095, 0.3731



51.8060, 0.2820, 0.3507



51.8060, 0.2632, 0.3225

Triad

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



51.8060, 0.2820, 0.3507



51.8060, 0.2854, 0.2807



51.8060, 0.3715, 0.3561

Complementary

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



51.8060, 0.2820, 0.3507



35.3750, 0.3568, 0.3085

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.



51.8060, 0.3647, 0.3319



51.8060, 0.2820, 0.3507



51.8060, 0.3138, 0.2898

Square

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



51.8060, 0.2820, 0.3507



51.8060, 0.2651, 0.2833



51.8060, 0.3432, 0.3082



51.8060, 0.3617, 0.3747

Rectangle

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



51.8060, 0.2820, 0.3507



51.8060, 0.2577, 0.3053



51.8060, 0.3432, 0.3082



51.8060, 0.3711, 0.3483

Sweetspot

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



51.8081, 0.2820, 0.3507



95.9708, 0.3035, 0.3346



51.8801, 0.3213, 0.4070



20.3894, 0.3018, 0.3358



0.0000, 0.0000, 0.0000



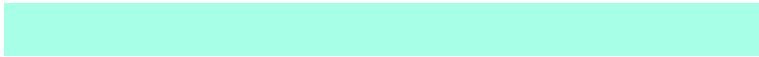
21.4041, 0.3127, 0.3290

Same Dimension

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



51.8081, 0.2820, 0.3507



85.6284, 0.2760, 0.3562



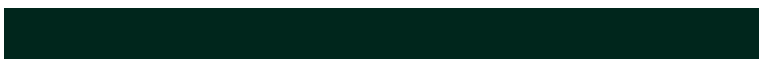
46.9589, 0.2704, 0.3122



12.6712, 0.3020, 0.3356



28.5190, 0.2505, 0.4219



1.4838, 0.2449, 0.4015

Inverse Universe

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



35.3750, 0.3568, 0.3085



53.2102, 0.3704, 0.3037



38.8291, 0.3696, 0.3452



11.2646, 0.3247, 0.3225



8.2814, 0.5810, 0.2974



0.4404, 0.5239, 0.2660

Previews

White Background



This preview shows how the Yxy color 51.8060, 0.2820, 0.3507 looks on a white background.

Color Contrast Check

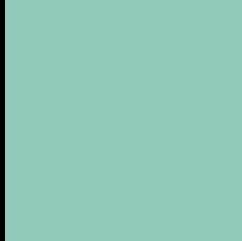
Large Text (above 18pt) WCAG AA × Fail

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 51.8060, 0.2820, 0.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

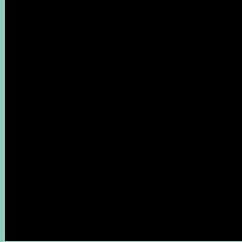
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

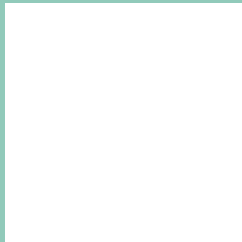
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8060, 0.2820, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 51.8060, 0.2820, 0.3507.



This preview shows how white text looks on a background with the Yxy color 51.8060, 0.2820, 0.3507.

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

51.8060, 0.2820, 0.3507

Protanopia

51.3856, 0.3263, 0.3415

Deuteranopia

51.4086, 0.3283, 0.3218



Tritanopia

51.8225, 0.2682, 0.3082

Trichromacy



Original Color

51.8060, 0.2820, 0.3507

Protanomaly

51.3081, 0.3080, 0.3445

Deuteranomaly

51.2500, 0.3094, 0.3315

Tritanomaly

51.5960, 0.2731, 0.3223

Monochromacy



Original Color

51.8060, 0.2820, 0.3507

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.7226, 0.3003, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8060, 0.2820, 0.3507 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(145, 202, 186)` looks like.

```
.text, #text, p{  
    color:rgb(145, 202, 186)  
}
```

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(145, 202, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 202, 186) }
```

Border

The CSS property to change the border of an element to Yxy 51.8060, 0.2820, 0.3507 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(145, 202, 186) }
```

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

```
.border{ border-color:rgb(145, 202, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 202, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 202, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 202, 186);  
box-shadow:4px 4px 4px 4px rgb(145, 202,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8060, 0.2820, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 202, 186) }
```

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

```
.background{ background-color: rgb(145,  
202, 186) }
```

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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