

Converting Colors

$Yxy(58.3629, 0.2823, 0.3225)$

Have a look what the booklet for
Yxy(58.3629, 0.2823, 0.3225)
contains.

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Color

Yxy(58.4619, 0.2823, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	AAD0D5
RGB	170, 208, 213
RGB Percent	67%, 82%, 84%
CMY	0.3334, 0.1843, 0.1646
CMYK	0.20, 0.02, 0.00, 0.16
HSL	187°, 34%, 75%
HSV	187°, 20%, 84%
XYZ	51.1428, 58.4619, 71.5601
YIQ	197.2080, -24.2530, -6.5010

Conversions

Conversions Part 2

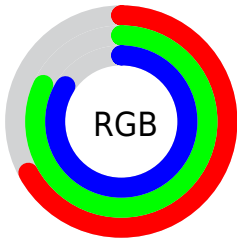
Format	Color
R _{YB}	170, 190, 213
Decimal	11194581
CIE Lab	80.99, -11.40, -6.65
CIE LCh	81, 13.202, 210.268
Yxy	58.4619, 0.2823, 0.3227
Android (android.graphics.Color)	4289384661 (0xFFAAD0D5)
YUV	197.2080, 7.7855, -23.8614
Hunter-Lab	76.4604, -14.4105, -1.9679

Details

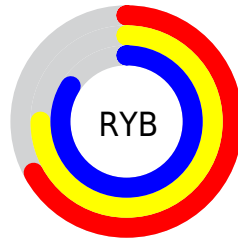
The Yxy color **58.4619, 0.2823, 0.3227** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.7136, 0.3515, 0.3352**, and the grayscale version is **55.9298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **29.3617, 0.2751, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **55.0766, 0.2684, 0.3192**, and if you desaturate by 10%, it is **62.2557, 0.2971, 0.3260**.

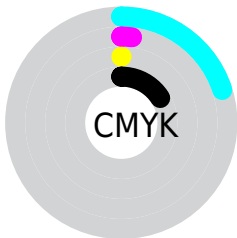
Distribution



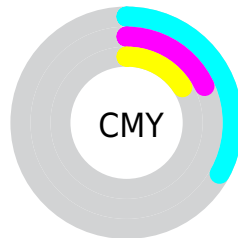
- Red (67%)
- Green (82%)
- Blue (84%)



- Red (67%)
- Yellow (75%)
- Blue (84%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)



- Cyan (33%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4619, 0.2823, 0.3227 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 58.4619, 0.2823, 0.3227 by changing the saturation by 10% instead.

■ 58.4619, 0.2823,
0.3227

■ 58.4619, 0.2823,
0.3227

418.9049, 0.2968,
0.3259

■ 42.1801, 0.2789,
0.3219

■ 102.5952, 0.2874,
0.3239

■ 29.2423, 0.2746,
0.3208

131.2155, 0.2894,
0.3243

■ 19.2642, 0.2691,
0.3195

164.7174, 0.2911,
0.3247

■ 11.8614, 0.2617,
0.3175

203.4853, 0.2925,
0.3250

■ 6.6493, 0.2513,
0.3146

247.9036, 0.2938,
0.3253

■ 3.2438, 0.2357,
0.3099

298.3567, 0.2949,

■ 1.2603, 0.2099,

0.3255

0.3009

355.2290, 0.2959,
0.3257

0.1101, 0.0000,
0.1584

0.0000, 0.0000,
0.0000

58.4619, 0.2823,
0.3227

58.4619, 0.2823,
0.3227

55.0766, 0.2684,
0.3192

62.2557, 0.2971,
0.3260

52.0740, 0.2556,
0.3155

66.4682, 0.3124,
0.3289

49.4363, 0.2442,
0.3116

71.1180, 0.3280,
0.3316

47.1417, 0.2345,
0.3076

76.1843, 0.3434,
0.3341

■ 45.1654, 0.2267,
0.3035

■ 77.4834, 0.3430,
0.3366

■ 43.4796, 0.2208,
0.2994

■ 78.8019, 0.3426,
0.3391

■ 42.0510, 0.2168,
0.2953

■ 80.1399, 0.3422,
0.3415

■ 40.8431, 0.2143,
0.2914

■ 81.4975, 0.3418,
0.3440

■ 82.8748, 0.3414,
0.3465

Harmonies

Analogous

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



58.4619, 0.2923, 0.3386



58.4619, 0.2823, 0.3227



58.4619, 0.2802, 0.3091

Triad

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



58.4619, 0.2823, 0.3227



58.4619, 0.3169, 0.3074



58.4619, 0.3392, 0.3570

Complementary

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



58.4619, 0.2823, 0.3227



47.7136, 0.3515, 0.3352

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.



58.4619, 0.3463, 0.3477



58.4619, 0.2823, 0.3227



58.4619, 0.3332, 0.3194

Square

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



58.4619, 0.2823, 0.3227



58.4619, 0.2998, 0.3009



58.4619, 0.3441, 0.3340



58.4619, 0.3250, 0.3588

Rectangle

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



58.4619, 0.2823, 0.3227



58.4619, 0.2836, 0.3032



58.4619, 0.3441, 0.3340



58.4619, 0.3425, 0.3546

Sweetspot

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



58.4643, 0.2823, 0.3227



96.0786, 0.3034, 0.3272



59.2435, 0.3068, 0.3778



20.4765, 0.3024, 0.3270



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.



58.4643, 0.2823, 0.3227



85.7094, 0.2766, 0.3213



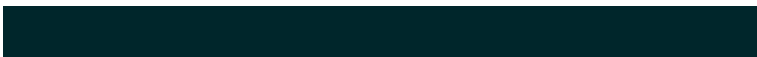
48.6705, 0.2805, 0.2952



13.8488, 0.2983, 0.3262



25.0379, 0.2145, 0.2920



1.5818, 0.2164, 0.2990

Inverse Universe

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



47.4464, 0.3192, 0.2846



66.5230, 0.3207, 0.2756



56.7709, 0.3466, 0.3606



12.6066, 0.3155, 0.3087



10.8724, 0.3525, 0.1716



0.6630, 0.3463, 0.1682

Previews

White Background



This preview shows how the Yxy color 58.4619, 0.2823, 0.3227 looks on a white background.

Color Contrast Check

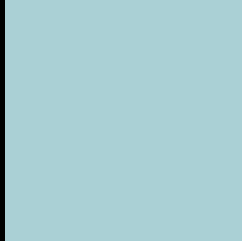
Large Text (above 18pt) WCAG AA × Fail

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 58.4619, 0.2823, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

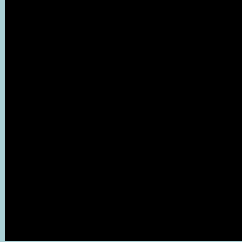
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

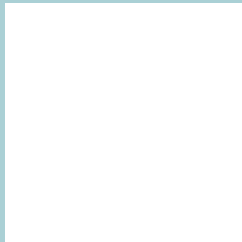
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.4619, 0.2823, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 58.4619, 0.2823, 0.3227.

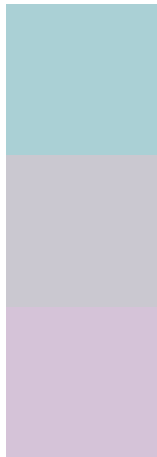


This preview shows how white text looks on a background with the Yxy color 58.4619, 0.2823, 0.3227.

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

58.4619, 0.2823, 0.3227

Protanopia

58.4192, 0.3085, 0.3196

Deuteranopia

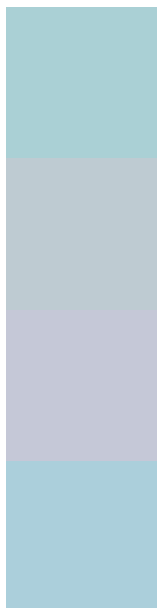
58.1342, 0.3115, 0.3051



Tritanopia

58.2410, 0.2774, 0.3083

Trichromacy



Original Color

58.4619, 0.2823, 0.3227

Protanomaly

58.3122, 0.2981, 0.3206

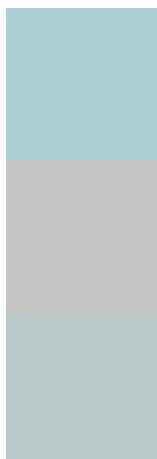
Deuteranomaly

58.0852, 0.2998, 0.3113

Tritanomaly

58.3980, 0.2792, 0.3142

Monochromacy



Original Color

58.4619, 0.2823, 0.3227

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.6499, 0.3006, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4619, 0.2823, 0.3227 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, 208, 213)` looks like.

```
.text, #text, p{  
    color:rgb(170, 208, 213)  
}
```

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, 208, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 208, 213) }
```

Border

The CSS property to change the border of an element to Yxy 58.4619, 0.2823, 0.3227 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, 208, 213) }
```

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

```
.border{ border-color:rgb(170, 208, 213) }
```

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

Here you see how a box with a 4 pixel rgb(170, 208, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 208, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 208, 213);  
box-shadow:4px 4px 4px 4px rgb(170, 208,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4619, 0.2823, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 208, 213) }
```

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

```
.background{ background-color: rgb(170,  
208, 213) }
```

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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