

Converting Colors

$Y_{xy}(58.3256, 0.2886, 0.3334)$

Have a look what the booklet for
Yxy(58.3256, 0.2886, 0.3334)
contains.

Yxy(58.1775, 0.2880, 0.3327)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.1775, 0.2880, 0.3327)

Conversions

Conversions Part 1

Format	Color
Hex	ABD0CD
RGB	171, 208, 205
RGB Percent	67%, 82%, 80%
CMY	0.3296, 0.1842, 0.1961
CMYK	0.18, 0.00, 0.01, 0.18
HSL	175°, 28%, 74%
HSV	175°, 18%, 82%
XYZ	50.3610, 58.1775, 66.3262
YIQ	196.5950, -21.0890, -8.7770

Conversions

Conversions Part 2

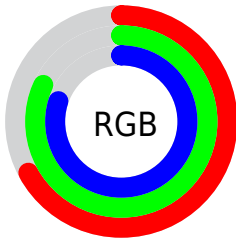
Format	Color
RYB	171, 190, 208
Decimal	11260109
CIELab	80.84, -12.81, -2.58
CIELCh	81, 13.063, 191.386
Yxy	58.1775, 0.2880, 0.3327
Android (android.graphics.Color)	4289450189 (0xFFABD0CD)
YUV	196.5950, 4.1437, -22.4468
Hunter-Lab	76.2742, -15.6228, 1.8348

Details

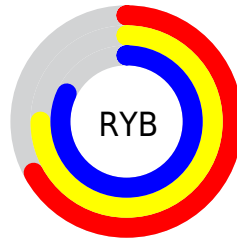
The Yxy color **58.1775, 0.2880, 0.3327** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.5756, 0.3442, 0.3254**, and the grayscale version is **55.5581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **29.1971, 0.2815, 0.3340** is the 20% darker color. If you saturate the color by 10%, you get **55.9441, 0.2754, 0.3350**, and if you desaturate by 10%, it is **60.7842, 0.3016, 0.3306**.

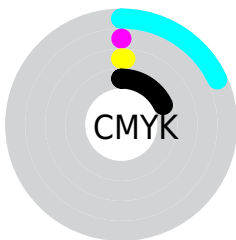
Distribution



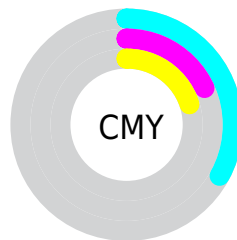
- Red (67%)
- Green (82%)
- Blue (80%)



- Red (67%)
- Yellow (75%)
- Blue (82%)



- Cyan (18%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)




- Cyan (33%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1775, 0.2880, 0.3327 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 58.1775, 0.2880, 0.3327 by changing the saturation by 10% instead.


 58.1775, 0.2880,
0.3327

 58.1775, 0.2880,
0.3327

417.8470, 0.2998,
0.3310

 41.9514, 0.2852,
0.3331

 102.1813, 0.2922,
0.3321

 29.0632, 0.2817,
0.3335


130.7277, 0.2938,
0.3319

 19.1286, 0.2771,
0.3341


164.1498, 0.2952,
0.3317

 11.7633, 0.2709,
0.3349

202.8317, 0.2964,
0.3315

 6.5827, 0.2623,
0.3359

247.1580, 0.2974,
0.3314

 3.2025, 0.2490,
0.3372

297.5131, 0.2983,

 1.2384, 0.2266,

0.3312

354.2813, 0.2991,
0.3311

0.3390

0.0927, 0.0000,
0.2479

0.0000, 0.0000,
0.0000

58.1775, 0.2880,
0.3327

58.1775, 0.2880,
0.3327

55.9441, 0.2754,
0.3350

60.7842, 0.3016,
0.3306

54.0596, 0.2640,
0.3375

63.7729, 0.3159,
0.3286

52.5078, 0.2541,
0.3401

67.1613, 0.3305,
0.3268

51.2687, 0.2459,
0.3428

70.9634, 0.3453,
0.3252

■ 50.3196, 0.2396,
0.3456

■ 71.2084, 0.3447,
0.3235

■ 49.6353, 0.2353,
0.3484

■ 71.2954, 0.3434,
0.3218

■ 49.1859, 0.2328,
0.3511

■ 71.3832, 0.3422,
0.3201

■ 48.9287, 0.2319,
0.3539

■ 71.4720, 0.3409,
0.3184

■ 48.8831, 0.2318,
0.3544

■ 71.5617, 0.3396,
0.3167

Harmonies

Analogous

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



58.1775, 0.3018, 0.3475



58.1775, 0.2880, 0.3327



58.1775, 0.2808, 0.3173

Triad

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



58.1775, 0.2880, 0.3327



58.1775, 0.3060, 0.3028



58.1775, 0.3444, 0.3517

Complementary

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



58.1775, 0.2880, 0.3327



45.5756, 0.3442, 0.3254

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.



58.1775, 0.3457, 0.3393



58.1775, 0.2880, 0.3327



58.1775, 0.3232, 0.3115

Square

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



58.1775, 0.2880, 0.3327



58.1775, 0.2910, 0.3005



58.1775, 0.3379, 0.3247



58.1775, 0.3344, 0.3584

Rectangle

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



58.1775, 0.2880, 0.3327



58.1775, 0.2806, 0.3089



58.1775, 0.3379, 0.3247



58.1775, 0.3459, 0.3480

Sweetspot

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



58.1799, 0.2880, 0.3327



97.5947, 0.3055, 0.3300



57.0618, 0.3128, 0.3768



20.8196, 0.3045, 0.3301



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.



58.1799, 0.2880, 0.3327



90.9416, 0.2835, 0.3335



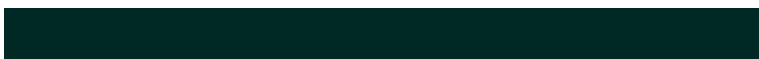
51.1592, 0.2851, 0.3093



13.3897, 0.2994, 0.3309



30.4680, 0.2317, 0.3541



1.7086, 0.2303, 0.3490

Inverse Universe

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



45.5756, 0.3442, 0.3254



67.6910, 0.3518, 0.3246



51.6358, 0.3436, 0.3479



11.8237, 0.3278, 0.3271



8.3888, 0.6303, 0.3246



0.4746, 0.6013, 0.3086

Previews

White Background



This preview shows how the Yxy color 58.1775, 0.2880, 0.3327 looks on a white background.

Color Contrast Check

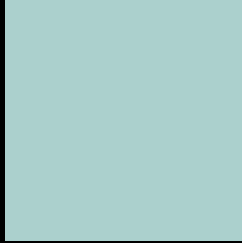
Large Text (above 18pt) WCAG AA × Fail

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 58.1775, 0.2880, 0.3327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

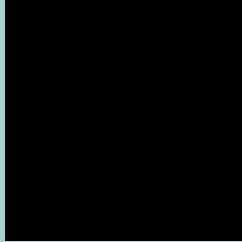
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

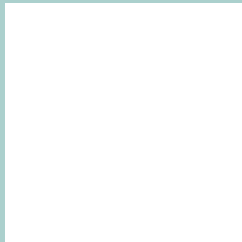
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.1775, 0.2880, 0.3327

Background



This preview shows how black text looks on a background with the Yxy color 58.1775, 0.2880, 0.3327.



This preview shows how white text looks on a background with the Yxy color 58.1775, 0.2880, 0.3327.

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

58.1775, 0.2880, 0.3327

Protanopia

57.8543, 0.3159, 0.3278

Deuteranopia

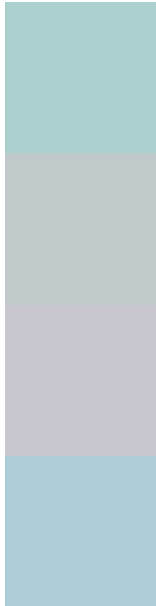
57.7366, 0.3199, 0.3130



Tritanopia

57.9352, 0.2792, 0.3083

Trichromacy



Original Color

58.1775, 0.2880, 0.3327

Protanomaly

57.7118, 0.3051, 0.3290

Deuteranomaly

57.6312, 0.3077, 0.3195

Tritanomaly

57.9847, 0.2823, 0.3167

Monochromacy



Original Color

58.1775, 0.2880, 0.3327

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.6348, 0.3035, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1775, 0.2880, 0.3327 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(171, 208, 205)` looks like.

```
.text, #text, p{  
    color:rgb(171, 208, 205)  
}
```

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(171, 208, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 208, 205) }
```

Border

The CSS property to change the border of an element to Yxy 58.1775, 0.2880, 0.3327 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(171, 208, 205) }
```

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

```
.border{ border-color:rgb(171, 208, 205) }
```

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

Here you see how a box with a 4 pixel rgb(171, 208, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 208, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 208, 205);  
box-shadow:4px 4px 4px 4px rgb(171, 208,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1775, 0.2880, 0.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 208, 205) }
```

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

```
.background{ background-color: rgb(171,  
208, 205) }
```

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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