

Converting Colors

$Yxy(49.3535, 0.2988, 0.3314)$

Have a look what the booklet for
Yxy(49.3535, 0.2988, 0.3314)
contains.

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Color

Yxy(49.1590, 0.2983, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	ABBEBD
RGB	171, 190, 189
RGB Percent	67%, 75%, 74%
CMY	0.3293, 0.2549, 0.2589
CMYK	0.10, 0.00, 0.01, 0.25
HSL	177°, 13%, 71%
HSV	177°, 10%, 75%
XYZ	44.3964, 49.1590, 55.2760
YIQ	184.2050, -11.0030, -4.3390

Conversions

Conversions Part 2

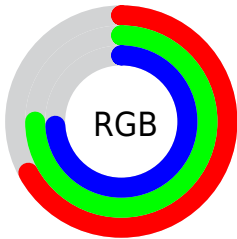
Format	Color
RYB	171, 181, 190
Decimal	11255485
CIELab	75.55, -6.67, -1.70
CIElCh	76, 6.879, 194.325
Yxy	49.1590, 0.2983, 0.3303
Android (android.graphics.Color)	4289445565 (0xFFABBEED)
YUV	184.2050, 2.3639, -11.5808
Hunter-Lab	70.1135, -9.6710, 2.3365

Details

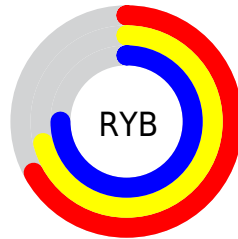
The Yxy color **49.1590, 0.2983, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.0674, 0.3292, 0.3277**, and the grayscale version is **48.0464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6729, 0.3007, 0.3300**, and **23.5908, 0.2944, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **47.1335, 0.2846, 0.3317**, and if you desaturate by 10%, it is **51.4957, 0.3127, 0.3290**.

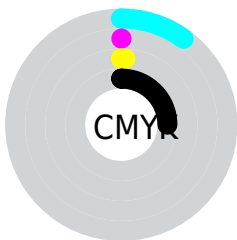
Distribution



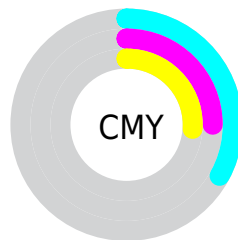
- Red (67%)
- Green (75%)
- Blue (74%)



- Red (67%)
- Yellow (71%)
- Blue (75%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)





- Cyan (33%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1590, 0.2983, 0.3303 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 49.1590, 0.2983, 0.3303 by changing the saturation by 10% instead.

 49.1590, 0.2983,
0.3303

 49.1590, 0.2983,
0.3303

383.3679, 0.3054,
0.3297

 34.7456, 0.2965,
0.3304


 88.9276, 0.3009,
0.3301

 23.4670, 0.2943,
0.3306


115.0515, 0.3018,
0.3300

 14.9387, 0.2913,
0.3308


145.8478, 0.3027,
0.3299

 8.7764, 0.2872,
0.3311

181.7008, 0.3034,
0.3299

 4.5956, 0.2812,
0.3315

222.9950, 0.3040,
0.3298

 2.0120, 0.2714,
0.3320

270.1146, 0.3045,

 0.6144, 0.2310,

0.3298

0.3369

323.4441, 0.3050,
0.3297

0.0000, 0.0000,
0.0000

49.1590, 0.2983,
0.3303

49.1590, 0.2983,
0.3303

47.1335, 0.2846,
0.3317

51.4957, 0.3127,
0.3290

45.3999, 0.2720,
0.3333

54.1496, 0.3277,
0.3278

43.9464, 0.2607,
0.3349

57.1343, 0.3428,
0.3268

42.7578, 0.2510,
0.3366

60.4609, 0.3580,
0.3258

41.8177, 0.2430,
0.3384

61.9864, 0.3637,
0.3249

■ 41.1077, 0.2369,
0.3401

■ 62.0328, 0.3629,
0.3238

■ 40.6069, 0.2327,
0.3419

■ 62.0795, 0.3620,
0.3227

■ 40.2907, 0.2303,
0.3437

■ 62.1266, 0.3612,
0.3217

■ 40.1101, 0.2293,
0.3455

■ 62.1740, 0.3603,
0.3206

Harmonies

Analogous

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



49.1590, 0.3058, 0.3385



49.1590, 0.2983, 0.3303



49.1590, 0.2946, 0.3219

Triad

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



49.1590, 0.2983, 0.3303



49.1590, 0.3100, 0.3145



49.1590, 0.3300, 0.3423

Complementary

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



49.1590, 0.2983, 0.3303



43.0674, 0.3292, 0.3277

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.



49.1590, 0.3312, 0.3357



49.1590, 0.2983, 0.3303



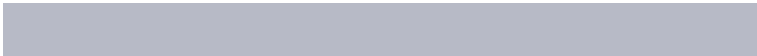
49.1590, 0.3195, 0.3198

Square

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



49.1590, 0.2983, 0.3303



49.1590, 0.3013, 0.3129



49.1590, 0.3273, 0.3275



49.1590, 0.3241, 0.3454

Rectangle

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



49.1590, 0.2983, 0.3303



49.1590, 0.2948, 0.3173



49.1590, 0.3273, 0.3275



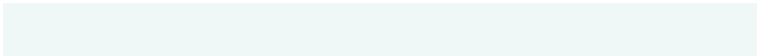
49.1590, 0.3309, 0.3404

Sweetspot

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



49.1611, 0.2983, 0.3303



91.9609, 0.3082, 0.3294



48.5725, 0.3126, 0.3543



20.1167, 0.3071, 0.3295



97.7402, 0.3127, 0.3290



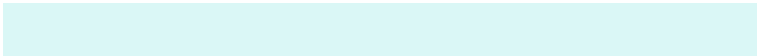
20.4902, 0.3127, 0.3290

Same Dimension

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



49.1611, 0.2983, 0.3303



88.2281, 0.2952, 0.3306



45.7460, 0.2975, 0.3181



10.8004, 0.2992, 0.3302



26.6751, 0.2292, 0.3452



1.0476, 0.2281, 0.3410

Inverse Universe

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



43.0674, 0.3292, 0.3277



74.9376, 0.3333, 0.3274



46.2303, 0.3289, 0.3397



9.5445, 0.3280, 0.3278



7.2980, 0.6332, 0.3262



0.2888, 0.6080, 0.3123

Previews

White Background



This preview shows how the Yxy color 49.1590, 0.2983, 0.3303 looks on a white background.

Color Contrast Check

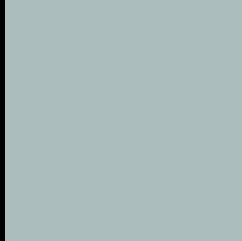
Large Text (above 18pt) WCAG AA × Fail

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 49.1590, 0.2983, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

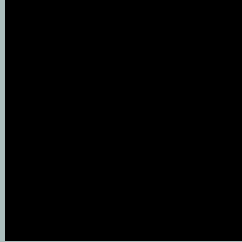
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

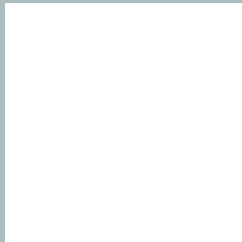
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1590, 0.2983, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 49.1590, 0.2983, 0.3303.

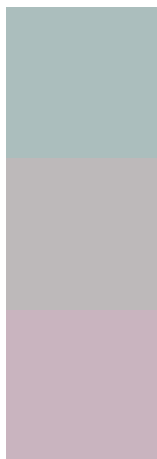


This preview shows how white text looks on a background with the Yxy color 49.1590, 0.2983, 0.3303.

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

49.1590, 0.2983, 0.3303

Protanopia

49.0619, 0.3153, 0.3277

Deuteranopia

48.8216, 0.3219, 0.3155



Tritanopia

49.1625, 0.2898, 0.3097

Trichromacy



Original Color

49.1590, 0.2983, 0.3303

Protanomaly

49.0736, 0.3086, 0.3290

Deuteranomaly

48.9458, 0.3131, 0.3214

Tritanomaly

49.2431, 0.2926, 0.3173

Monochromacy



Original Color

49.1590, 0.2983, 0.3303

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.2467, 0.3069, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1590, 0.2983, 0.3303 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, 190, 189)` looks like.

```
.text, #text, p{  
    color:rgb(171, 190, 189)  
}
```

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, 190, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 190, 189) }
```

Border

The CSS property to change the border of an element to Yxy 49.1590, 0.2983, 0.3303 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, 190, 189) }
```

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

```
.border{ border-color:rgb(171, 190, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 190, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 190, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 190, 189);  
box-shadow:4px 4px 4px 4px rgb(171, 190,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1590, 0.2983, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 190, 189) }
```

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

```
.background{ background-color: rgb(171,  
190, 189) }
```

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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