

Converting Colors

$Y_{xy}(55.1083, 0.3045, 0.3283)$

Have a look what the booklet for
Yxy(55.1083, 0.3045, 0.3283)
contains.

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Color

Yxy(55.1568, 0.3049, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	BCC6C6
RGB	188, 198, 198
RGB Percent	74%, 78%, 78%
CMY	0.2629, 0.2235, 0.2235
CMYK	0.05, 0.00, 0.00, 0.22
HSL	180°, 8%, 76%
HSV	180°, 5%, 78%
XYZ	51.1164, 55.1568, 61.3766
YIQ	195.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

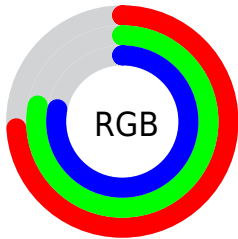
Format	Color
R _Y B	188, 193, 198
Decimal	12371654
CIE Lab	79.13, -3.44, -1.19
CIE LCh	79, 3.641, 199.129
Yxy	55.1568, 0.3049, 0.3290
Android (android.graphics.Color)	4290561734 (0xFFBCC6C6)
YUV	195.0100, 1.4741, -6.1478
Hunter-Lab	74.2676, -7.1115, 2.9886

Details

The Yxy color `55.1568, 0.3049, 0.3290` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `51.5829, 0.3211, 0.3290`, and the grayscale version is `54.5700, 0.3127, 0.3290`.

A 20% lighter version of the original color is `97.9731, 0.3060, 0.3290`, and `27.1110, 0.3033, 0.3290` is the 20% darker color. If you saturate the color by 10%, you get `52.8133, 0.2901, 0.3290`, and if you desaturate by 10%, it is `57.8500, 0.3204, 0.3290`.

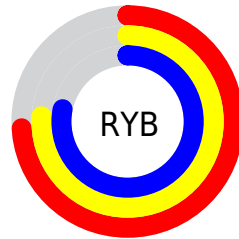
Distribution



Red (74%)

Green (78%)

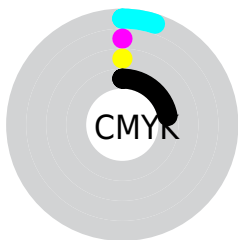
Blue (78%)



Red (74%)

Yellow (76%)

Blue (78%)

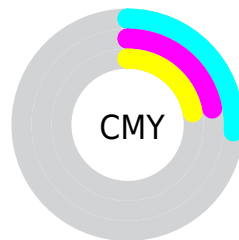


Cyan (5%)

Magenta (0%)

Yellow (0%)

Black (22%)



Cyan (26%)


Magenta (22%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1568, 0.3049, 0.3290 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 55.1568, 0.3049, 0.3290 by changing the saturation by 10% instead.


 55.1568, 0.3049,
0.3290

 55.1568, 0.3049,
0.3290


406.5060, 0.3087,
0.3290

 39.5273, 0.3040,
0.3290

 97.7707, 0.3063,
0.3290

 27.1702, 0.3028,
0.3290


125.5238, 0.3068,
0.3290

 17.7011, 0.3013,
0.3290

158.0869, 0.3072,
0.3290

 10.7356, 0.2993,
0.3289

195.8444, 0.3076,
0.3290

 5.8893, 0.2963,
0.3289

239.1806, 0.3079,
0.3290

 2.7779, 0.2917,
0.3288

288.4801, 0.3082,

 1.0169, 0.2834,

0.3290

344.1271, 0.3085,
0.3290

0.3285

0.0000, 0.0000,
0.0000

55.1568, 0.3049,
0.3290

55.1568, 0.3049,
0.3290

52.8133, 0.2901,
0.3290

57.8500, 0.3204,
0.3290

50.7986, 0.2763,
0.3290

60.8990, 0.3363,
0.3290

49.1000, 0.2638,
0.3291

64.3187, 0.3524,
0.3290

47.7015, 0.2528,
0.3291

65.7417, 0.3586,
0.3290

46.5856, 0.2436,
0.3291

65.7436, 0.3585,
0.3289

■ 45.7332, 0.2363,
0.3292

■ 65.7455, 0.3585,
0.3289

■ 45.1224, 0.2309,
0.3292

■ 65.7474, 0.3585,
0.3289

■ 44.7282, 0.2273,
0.3293

■ 65.7493, 0.3584,
0.3288

■ 44.5201, 0.2254,
0.3293

■ 65.7511, 0.3584,
0.3288

Harmonies

Analogous

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



55.1568, 0.3085, 0.3332



55.1568, 0.3049, 0.3290



55.1568, 0.3034, 0.3248

Triad

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



55.1568, 0.3049, 0.3290



55.1568, 0.3121, 0.3219



55.1568, 0.3212, 0.3362

Complementary

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



55.1568, 0.3049, 0.3290



51.5829, 0.3211, 0.3290

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.



55.1568, 0.3222, 0.3331



55.1568, 0.3049, 0.3290



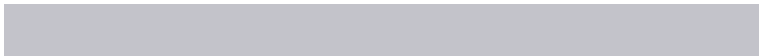
55.1568, 0.3169, 0.3249

Square

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



55.1568, 0.3049, 0.3290



55.1568, 0.3075, 0.3208



55.1568, 0.3206, 0.3290



55.1568, 0.3179, 0.3374

Rectangle

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



55.1568, 0.3049, 0.3290



55.1568, 0.3038, 0.3226



55.1568, 0.3206, 0.3290



55.1568, 0.3218, 0.3353

Sweetspot

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



55.1591, 0.3049, 0.3290



99.0448, 0.3096, 0.3290



54.7320, 0.3123, 0.3416



21.2097, 0.3097, 0.3290



0.0000, 0.0000, 0.0000



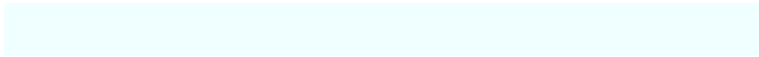
21.4041, 0.3127, 0.3290

Same Dimension

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



55.1591, 0.3049, 0.3290



97.2108, 0.3034, 0.3290



52.9704, 0.3050, 0.3229



12.2189, 0.3027, 0.3290



28.9049, 0.2248, 0.3294



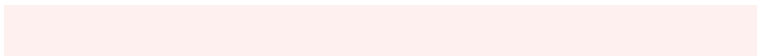
1.3688, 0.2248, 0.3292

Inverse Universe

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



51.5829, 0.3211, 0.3290



89.6790, 0.3228, 0.3290



53.6960, 0.3206, 0.3350



11.1988, 0.3237, 0.3290



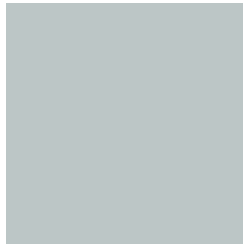
7.8084, 0.6398, 0.3298



0.3699, 0.6389, 0.3293

Previews

White Background



This preview shows how the Yxy color 55.1568, 0.3049, 0.3290 looks on a white background.

Color Contrast Check

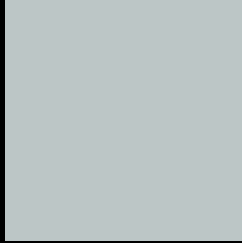
Large Text (above 18pt) WCAG AA × Fail

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 55.1568, 0.3049, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

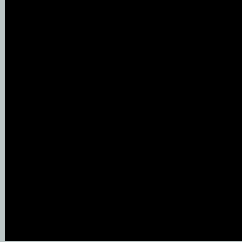
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

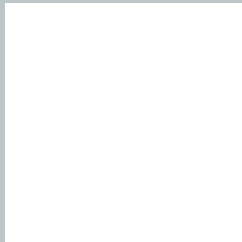
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1568, 0.3049, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 55.1568, 0.3049, 0.3290.

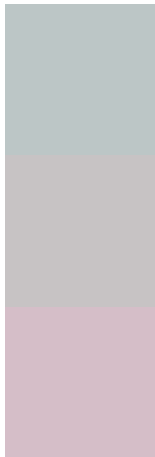


This preview shows how white text looks on a background with the Yxy color 55.1568, 0.3049, 0.3290.

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

55.1568, 0.3049, 0.3290

Protanopia

55.1578, 0.3152, 0.3278

Deuteranopia

55.1432, 0.3239, 0.3174



Tritanopia

55.1302, 0.2973, 0.3108

Trichromacy



Original Color

55.1568, 0.3049, 0.3290

Protanomaly

55.1132, 0.3112, 0.3278

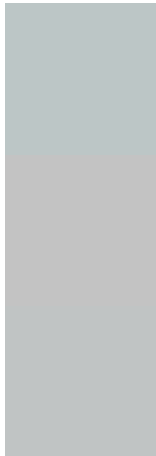
Deuteranomaly

55.1008, 0.3171, 0.3219

Tritanomaly

55.2076, 0.3001, 0.3180

Monochromacy



Original Color

55.1568, 0.3049, 0.3290

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.6718, 0.3096, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1568, 0.3049, 0.3290 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(188, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(188, 198, 198)  
}
```

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(188, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 198, 198) }
```

Border

The CSS property to change the border of an element to Yxy 55.1568, 0.3049, 0.3290 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(188, 198, 198) }
```

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

```
.border{ border-color:rgb(188, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(188, 198,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1568, 0.3049, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 198, 198) }
```

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

```
.background{ background-color: rgb(188,  
198, 198) }
```

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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