

Converting Colors

$Y_{xy}(55.1976, 0.3034, 0.3002)$

Have a look what the booklet for
Yxy(55.1976, 0.3034, 0.3002)
contains.

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Color

Yxy(55.3537, 0.3038, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	CBC0D8
RGB	203, 192, 216
RGB Percent	80%, 75%, 85%
CMY	0.2037, 0.2471, 0.1528
CMYK	0.06, 0.11, 0.00, 0.15
HSL	268°, 24%, 80%
HSV	268°, 11%, 85%
XYZ	55.8872, 55.3537, 72.7196
YIQ	198.0250, -1.1480, 9.7960

Conversions

Conversions Part 2

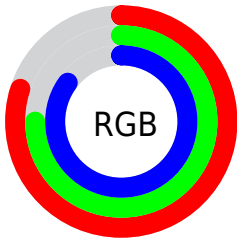
Format	Color
R _Y B	203, 192, 216
Decimal	13353176
CIE Lab	79.24, 8.35, -10.61
CIE LCh	79, 13.497, 308.205
Yxy	55.3537, 0.3038, 0.3009
Android (android.graphics.Color)	4291543256 (0xFFCBC0D8)
YUV	198.0250, 8.8617, 4.3631
Hunter-Lab	74.4001, 3.8839, -5.8707

Details

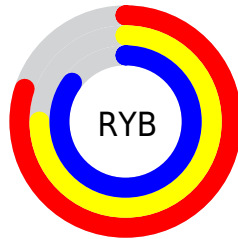
The Yxy color **55.3537, 0.3038, 0.3009** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.9002, 0.3209, 0.3570**, and the grayscale version is **56.4398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6148, 0.3130, 0.3223**, and **27.4280, 0.3017, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **44.9815, 0.2944, 0.2734**, and if you desaturate by 10%, it is **67.2458, 0.3119, 0.3263**.

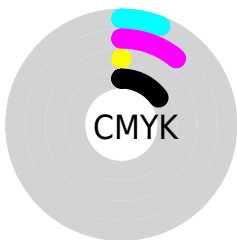
Distribution



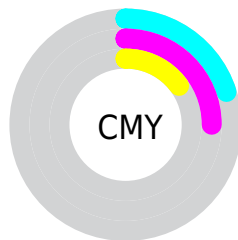
- Red (80%)
- Green (75%)
- Blue (85%)



- Red (80%)
- Yellow (75%)
- Blue (85%)



- Cyan (6%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)





- Cyan (20%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3537, 0.3038, 0.3009 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 55.3537, 0.3038, 0.3009 by changing the saturation by 10% instead.


 55.3537, 0.3038,
0.3009

 55.3537, 0.3038,
0.3009


407.2513, 0.3082,
0.3143

 39.6850, 0.3027,
0.2977


 98.0590, 0.3054,
0.3056

 27.2930, 0.3013,
0.2938


125.8643, 0.3060,
0.3075

 17.7934, 0.2995,
0.2886


158.4840, 0.3065,
0.3090

 10.8018, 0.2970,
0.2818

196.3024, 0.3069,
0.3104

 5.9337, 0.2934,
0.2722

239.7040, 0.3073,
0.3115

 2.8048, 0.2876,
0.2577

289.0730, 0.3077,

 1.0307, 0.2771,

0.3126

344.7940, 0.3080,
0.3135

0.2336

0.0000, 0.1604,
0.0000

0.0000, 0.0000,
0.0000

55.3537, 0.3038,
0.3009

55.3537, 0.3038,
0.3009

44.9815, 0.2944,
0.2734

67.2458, 0.3119,
0.3263

36.0590, 0.2836,
0.2442

80.7100, 0.3187,
0.3494

28.5210, 0.2715,
0.2140

94.6571, 0.3247,
0.3684

22.2942, 0.2582,
0.1839

96.7391, 0.3322,
0.3675

■ 17.2987, 0.2443,
0.1553

■ 97.7391, 0.3357,
0.3671

■ 13.4452, 0.2301,
0.1298

■ 10.6318, 0.2164,
0.1088

■ 8.7374, 0.2038,
0.0935

■ 7.6423, 0.1939,
0.0842

Harmonies

Analogous

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



55.3537, 0.2885, 0.2993



55.3537, 0.3038, 0.3009



55.3537, 0.3219, 0.3094

Triad

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



55.3537, 0.3038, 0.3009



55.3537, 0.3466, 0.3516



55.3537, 0.2880, 0.3346

Complementary

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



55.3537, 0.3038, 0.3009



65.9002, 0.3209, 0.3570

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.



55.3537, 0.3030, 0.3499



55.3537, 0.3038, 0.3009



55.3537, 0.3370, 0.3595

Square

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



55.3537, 0.3038, 0.3009



55.3537, 0.3470, 0.3382



55.3537, 0.3209, 0.3591



55.3537, 0.2796, 0.3183

Rectangle

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



55.3537, 0.3038, 0.3009



55.3537, 0.3330, 0.3180



55.3537, 0.3209, 0.3591



55.3537, 0.2924, 0.3401

Sweetspot

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



55.3561, 0.3038, 0.3009



94.4418, 0.3104, 0.3216



59.9243, 0.2955, 0.3162



19.9041, 0.3098, 0.3196



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.



55.3561, 0.3038, 0.3009



77.4090, 0.3020, 0.2956



57.0711, 0.3130, 0.3017



12.2862, 0.3053, 0.3054



4.5851, 0.1955, 0.0851



0.3255, 0.2149, 0.0957

Inverse Universe

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



56.6996, 0.3224, 0.3142



79.6978, 0.3243, 0.3114



64.2906, 0.3122, 0.3577



12.5317, 0.3208, 0.3165



9.4160, 0.4782, 0.2408



0.5846, 0.4437, 0.2218

Previews

White Background



This preview shows how the Yxy color 55.3537, 0.3038, 0.3009 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 55.3537, 0.3038, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

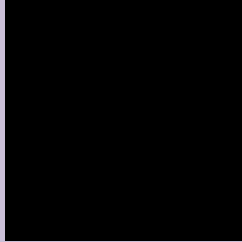
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.3537, 0.3038, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 55.3537, 0.3038, 0.3009.



This preview shows how white text looks on a background with the Yxy color 55.3537, 0.3038, 0.3009.

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

55.3537, 0.3038, 0.3009

Protanopia

55.4296, 0.2947, 0.3016

Deuteranopia

55.3413, 0.3061, 0.3000



Tritanopia

55.2506, 0.3088, 0.3112

Trichromacy



Original Color

55.3537, 0.3038, 0.3009

Protanomaly

55.4636, 0.2984, 0.3018

Deuteranomaly

55.1986, 0.3053, 0.2999

Tritanomaly

55.3996, 0.3066, 0.3078

Monochromacy



Original Color

55.3537, 0.3038, 0.3009

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.1670, 0.3093, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3537, 0.3038, 0.3009 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(203, 192, 216)` looks like.

```
.text, #text, p{  
    color:rgb(203, 192, 216)  
}
```

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(203, 192, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 192, 216) }
```

Border

The CSS property to change the border of an element to Yxy 55.3537, 0.3038, 0.3009 is called "border". The border property can be set on classes, ids or directly on the HTML element.

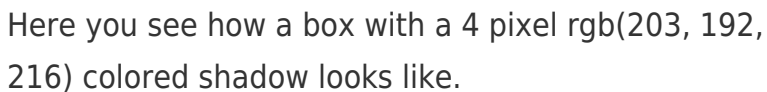
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 192, 216) }
```

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

```
.border{ border-color:rgb(203, 192, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 192, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 192, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 192, 216);  
box-shadow:4px 4px 4px 4px rgb(203, 192,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3537, 0.3038, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 192, 216) }
```

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

```
.background{ background-color: rgb(203,  
192, 216) }
```

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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