

Converting Colors

$Y_{xy}(55.2020, 0.3133, 0.3226)$

Have a look what the booklet for
Yxy(55.2020, 0.3133, 0.3226)
contains.

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Color

Yxy(55.0331, 0.3131, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	C8C2C8
RGB	200, 194, 200
RGB Percent	78%, 76%, 78%
CMY	0.2155, 0.2393, 0.2157
CMYK	0.00, 0.03, 0.00, 0.22
HSL	301°, 5%, 77%
HSV	301°, 3%, 78%
XYZ	53.5453, 55.0331, 62.4381
YIQ	196.4780, 1.6500, 3.1380

Conversions

Conversions Part 2

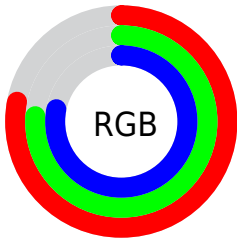
Format	Color
R _Y B	200, 194, 200
Decimal	13157064
CIE Lab	79.06, 3.21, -2.26
CIE LCh	79, 3.925, 324.795
Yxy	55.0331, 0.3131, 0.3218
Android (android.graphics.Color)	4291347144 (0xFFC8C2C8)
YUV	196.4780, 1.7363, 3.0888
Hunter-Lab	74.1843, -0.9836, 2.0269

Details

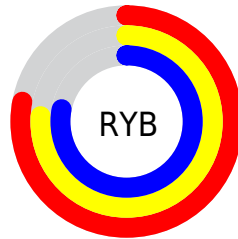
The Yxy color **55.0331, 0.3131, 0.3218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.6969, 0.3123, 0.3363**, and the grayscale version is **55.4972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8512, 0.3129, 0.3242**, and **26.9425, 0.3132, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **46.7137, 0.3144, 0.2975**, and if you desaturate by 10%, it is **64.5559, 0.3119, 0.3452**.

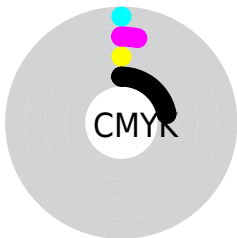
Distribution



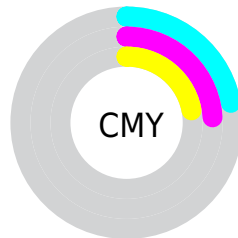
- Red (78%)
- Green (76%)
- Blue (78%)



- Red (78%)
- Yellow (76%)
- Blue (78%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)



- Cyan (22%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0331, 0.3131, 0.3218 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 55.0331, 0.3131, 0.3218 by changing the saturation by 10% instead.

■ 55.0331, 0.3131,
0.3218

■ 55.0331, 0.3131,
0.3218

406.0374, 0.3129,
0.3253

■ 39.4282, 0.3131,
0.3210

■ 97.5895, 0.3130,
0.3230

■ 27.0930, 0.3132,
0.3199

125.3097, 0.3130,
0.3235

■ 17.6431, 0.3133,
0.3185

157.8372, 0.3130,
0.3239

■ 10.6941, 0.3133,
0.3166

195.5564, 0.3130,
0.3243

■ 5.8615, 0.3134,
0.3140

238.8516, 0.3130,
0.3246

■ 2.7610, 0.3136,
0.3098

288.1072, 0.3129,

■ 1.0083, 0.3138,

0.3248

0.3024

343.7077, 0.3129,
0.3251

0.0000, 0.0000,
0.0000

55.0331, 0.3131,
0.3218

55.0331, 0.3131,
0.3218

46.7137, 0.3144,
0.2975

64.5559, 0.3119,
0.3452

39.5430, 0.3158,
0.2728

75.3199, 0.3107,
0.3672

33.4728, 0.3171,
0.2485

87.3701, 0.3096,
0.3878

28.4484, 0.3185,
0.2255

88.0117, 0.3095,
0.3885

24.4109, 0.3197,
0.2046

88.0207, 0.3094,
0.3883

■ 21.2950, 0.3208,
0.1868

■ 88.0297, 0.3093,
0.3881

■ 19.0280, 0.3218,
0.1729

■ 88.0387, 0.3092,
0.3879

■ 17.5262, 0.3225,
0.1631

■ 88.0477, 0.3091,
0.3877

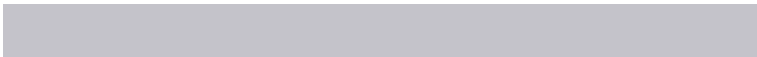
■ 16.6887, 0.3230,
0.1576

■ 88.0567, 0.3090,
0.3875

Harmonies

Analogous

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



55.0331, 0.3080, 0.3202



55.0331, 0.3131, 0.3218



55.0331, 0.3181, 0.3253

Triad

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



55.0331, 0.3131, 0.3218



55.0331, 0.3213, 0.3372



55.0331, 0.3038, 0.3281

Complementary

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



55.0331, 0.3131, 0.3218



56.6969, 0.3123, 0.3363

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.



55.0331, 0.3073, 0.3327



55.0331, 0.3131, 0.3218



55.0331, 0.3174, 0.3380

Square

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



55.0331, 0.3131, 0.3218



55.0331, 0.3229, 0.3342



55.0331, 0.3123, 0.3364



55.0331, 0.3026, 0.3237

Rectangle

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



55.0331, 0.3131, 0.3218



55.0331, 0.3208, 0.3283



55.0331, 0.3123, 0.3364



55.0331, 0.3047, 0.3297

Sweetspot

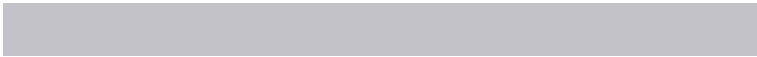
The Sweet Spot groups the original color and five complimentary colors.



55.0355, 0.3131, 0.3218



98.3822, 0.3128, 0.3266



54.2201, 0.3082, 0.3216



21.0749, 0.3128, 0.3267



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.



55.0355, 0.3131, 0.3218



93.6576, 0.3132, 0.3193



54.8979, 0.3153, 0.3254



11.6772, 0.3133, 0.3178



10.4036, 0.3233, 0.1555



0.4932, 0.3228, 0.1552

Inverse Universe

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



55.0355, 0.3131, 0.3218



93.6576, 0.3132, 0.3193



56.8319, 0.3102, 0.3327



11.6772, 0.3133, 0.3178



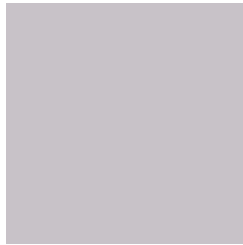
10.4036, 0.3233, 0.1555



0.4932, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 55.0331, 0.3131, 0.3218 looks on a white background.

Color Contrast Check

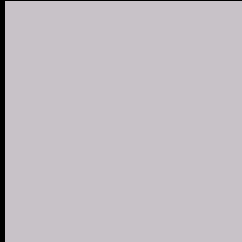
Large Text (above 18pt) WCAG AA × Fail

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 55.0331, 0.3131, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

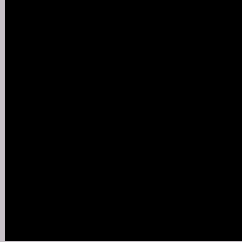
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

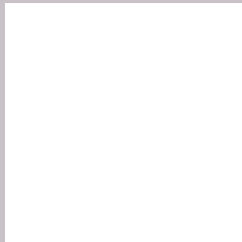
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.0331, 0.3131, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 55.0331, 0.3131, 0.3218.

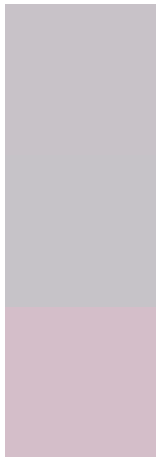


This preview shows how white text looks on a background with the Yxy color 55.0331, 0.3131, 0.3218.

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

55.0331, 0.3131, 0.3218

Protanopia

55.2061, 0.3114, 0.3230

Deuteranopia

55.0410, 0.3223, 0.3162



Tritanopia

55.1115, 0.3080, 0.3112

Trichromacy



Original Color

55.0331, 0.3131, 0.3218

Protanomaly

55.3425, 0.3122, 0.3230

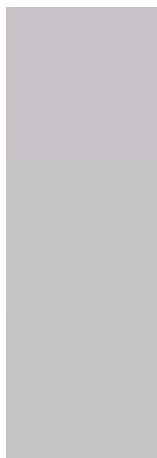
Deuteranomaly

54.8885, 0.3190, 0.3172

Tritanomaly

54.9652, 0.3102, 0.3147

Monochromacy



Original Color

55.0331, 0.3131, 0.3218

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

54.9317, 0.3128, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0331, 0.3131, 0.3218 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(200, 194, 200)` looks like.

```
.text, #text, p{  
    color:rgb(200, 194, 200)  
}
```

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(200, 194, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 194, 200) }
```

Border

The CSS property to change the border of an element to Yxy 55.0331, 0.3131, 0.3218 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(200, 194, 200) }
```

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

```
.border{ border-color:rgb(200, 194, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 194, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 194, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 194, 200);  
box-shadow:4px 4px 4px 4px rgb(200, 194,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0331, 0.3131, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 194, 200) }
```

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

```
.background{ background-color: rgb(200,  
194, 200) }
```

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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