

Converting Colors

$Y_{xy}(55.5222, 0.3170, 0.3311)$

Have a look what the booklet for
Yxy(55.5222, 0.3170, 0.3311)
contains.

Yxy(55.6543, 0.3174, 0.3314)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.6543, 0.3174, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	C8C4C2
RGB	200, 196, 194
RGB Percent	78%, 77%, 76%
CMY	0.2156, 0.2314, 0.2392
CMYK	0.00, 0.02, 0.03, 0.22
HSL	20°, 5%, 77%
HSV	20°, 3%, 78%
XYZ	53.3032, 55.6543, 58.9795
YIQ	196.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

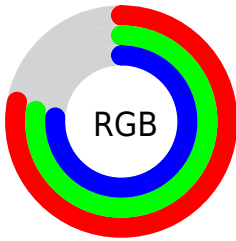
Format	Color
R _Y B	200, 197, 194
Decimal	13157570
CIE Lab	79.42, 1.05, 1.48
CIE LCh	79, 1.812, 54.658
Yxy	55.6543, 0.3174, 0.3314
Android (android.graphics.Color)	4291347650 (0xFFC8C4C2)
YUV	196.9680, -1.4632, 2.6591
Hunter-Lab	74.6018, -3.0145, 5.3472

Details

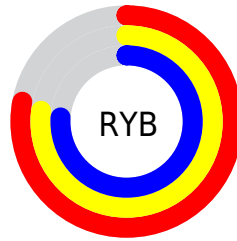
The Yxy color **55.6543, 0.3174, 0.3314** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.0514, 0.3081, 0.3266**, and the grayscale version is **55.8259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4127, 0.3157, 0.3319**, and **27.3504, 0.3190, 0.3323** is the 20% darker color. If you saturate the color by 10%, you get **49.0358, 0.3348, 0.3398**, and if you desaturate by 10%, it is **62.9393, 0.3027, 0.3236**.

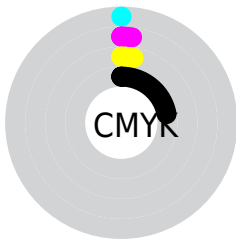
Distribution



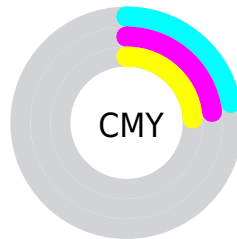
- Red (78%)
- Green (77%)
- Blue (76%)



- Red (78%)
- Yellow (77%)
- Blue (76%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (22%)



- Cyan (22%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6543, 0.3174, 0.3314 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 55.6543, 0.3174, 0.3314 by changing the saturation by 10% instead.

■ 55.6543, 0.3174,
0.3314

■ 55.6543, 0.3174,
0.3314

408.3874, 0.3151,
0.3302

■ 39.9258, 0.3179,
0.3317

■ 98.4989, 0.3166,
0.3310

■ 27.4807, 0.3186,
0.3320

126.3839, 0.3163,
0.3308

■ 17.9346, 0.3196,
0.3325

159.0898, 0.3160,
0.3307

■ 10.9030, 0.3208,
0.3331

197.0011, 0.3158,
0.3306

■ 6.0017, 0.3226,
0.3340

240.5021, 0.3156,
0.3305

■ 2.8461, 0.3254,
0.3354

289.9772, 0.3154,

■ 1.0519, 0.3304,

0.3304

0.3378

345.8108, 0.3153,
0.3303

0.0000, 0.0000,
0.0000

55.6543, 0.3174,
0.3314

55.6543, 0.3174,
0.3314

49.0358, 0.3348,
0.3398

62.9393, 0.3027,
0.3236

43.0578, 0.3553,
0.3486

70.9017, 0.2902,
0.3165

37.7029, 0.3793,
0.3577

79.5613, 0.2796,
0.3099

32.9501, 0.4070,
0.3666

87.6482, 0.2801,
0.3233

28.7774, 0.4385,
0.3745

91.0230, 0.2805,
0.3289

■ 25.1614, 0.4728,
0.3806

■ 22.0768, 0.5084,
0.3837

■ 19.4960, 0.5427,
0.3824

■ 17.3884, 0.5722,
0.3763

Harmonies

Analogous

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



55.6543, 0.3169, 0.3294



55.6543, 0.3174, 0.3314



55.6543, 0.3167, 0.3328

Triad

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



55.6543, 0.3174, 0.3314



55.6543, 0.3102, 0.3307



55.6543, 0.3105, 0.3249

Complementary

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



55.6543, 0.3174, 0.3314



56.0514, 0.3081, 0.3266

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.



55.6543, 0.3088, 0.3253



55.6543, 0.3174, 0.3314



55.6543, 0.3086, 0.3286

Square

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



55.6543, 0.3174, 0.3314



55.6543, 0.3125, 0.3324



55.6543, 0.3081, 0.3266



55.6543, 0.3129, 0.3257

Rectangle

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



55.6543, 0.3174, 0.3314



55.6543, 0.3156, 0.3331



55.6543, 0.3081, 0.3266



55.6543, 0.3099, 0.3249

Sweetspot

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



55.6567, 0.3174, 0.3314



98.7509, 0.3143, 0.3298



54.9558, 0.3145, 0.3241



21.1499, 0.3142, 0.3298



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.



55.6567, 0.3174, 0.3314



95.0747, 0.3191, 0.3323



56.9908, 0.3172, 0.3349



11.8818, 0.3201, 0.3328



10.4264, 0.5871, 0.3720



0.6270, 0.5459, 0.4047

Inverse Universe

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



56.0514, 0.3081, 0.3266



95.9903, 0.3065, 0.3257



54.7250, 0.3082, 0.3230



12.0146, 0.3056, 0.3252



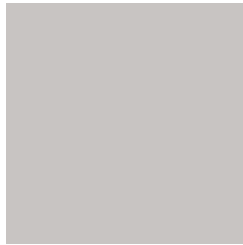
13.6767, 0.1941, 0.2186



0.7761, 0.2012, 0.2443

Previews

White Background



This preview shows how the Yxy color 55.6543, 0.3174, 0.3314 looks on a white background.

Color Contrast Check

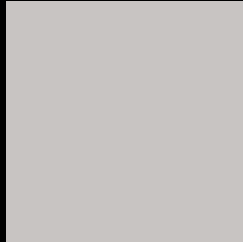
Large Text (above 18pt) WCAG AA × Fail

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 55.6543, 0.3174, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

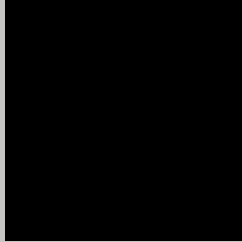
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

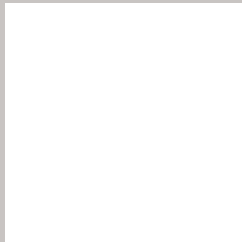
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.6543, 0.3174, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 55.6543, 0.3174, 0.3314.

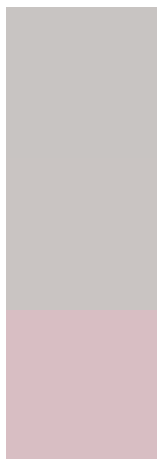


This preview shows how white text looks on a background with the Yxy color 55.6543, 0.3174, 0.3314.

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

55.6543, 0.3174, 0.3314

Protanopia

55.7924, 0.3182, 0.3314

Deuteranopia

55.3660, 0.3303, 0.3232



Tritanopia

55.7436, 0.3080, 0.3113

Trichromacy



Original Color

55.6543, 0.3174, 0.3314

Protanomaly

55.7924, 0.3182, 0.3314

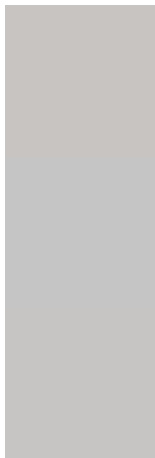
Deuteranomaly

55.3410, 0.3251, 0.3255

Tritanomaly

55.8074, 0.3108, 0.3183

Monochromacy



Original Color

55.6543, 0.3174, 0.3314

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

55.9238, 0.3142, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6543, 0.3174, 0.3314 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, 196, 194)` looks like.

```
.text, #text, p{  
    color:rgb(200, 196, 194)  
}
```

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, 196, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 196, 194) }
```

Border

The CSS property to change the border of an element to Yxy 55.6543, 0.3174, 0.3314 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, 196, 194) }
```

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

```
.border{ border-color:rgb(200, 196, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 196, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 196, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 196, 194);  
box-shadow:4px 4px 4px 4px rgb(200, 196,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6543, 0.3174, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 196, 194) }
```

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

```
.background{ background-color: rgb(200,  
196, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor