

Converting Colors

$Y_{xy}(56.7552, 0.3115, 0.3296)$

Have a look what the booklet for
Yxy(56.7552, 0.3115, 0.3296)
contains.

Yxy(56.7944, 0.3119, 0.3302)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(56.7944, 0.3119, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	C5C7C6
RGB	197, 199, 198
RGB Percent	77%, 78%, 78%
CMY	0.2274, 0.2196, 0.2235
CMYK	0.01, 0.00, 0.01, 0.22
HSL	150°, 2%, 78%
HSV	150°, 1%, 78%
XYZ	53.6468, 56.7944, 61.5588
YIQ	198.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

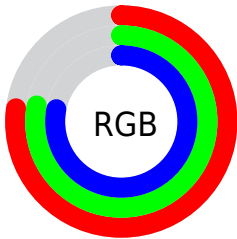
Format	Color
RYB	197, 198, 199
Decimal	12961734
CIELab	80.06, -0.86, 0.25
CIElCh	80, 0.893, 163.684
Yxy	56.7944, 0.3119, 0.3302
Android (android.graphics.Color)	4291151814 (0xFFC5C7C6)
YUV	198.2880, -0.1420, -1.1296
Hunter-Lab	75.3621, -4.8176, 4.3230

Details

The Yxy color **56.7944, 0.3119, 0.3302** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.1644, 0.3135, 0.3278**, and the grayscale version is **56.6607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **28.1041, 0.3116, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **53.8346, 0.3037, 0.3431**, and if you desaturate by 10%, it is **60.1447, 0.3201, 0.3187**.

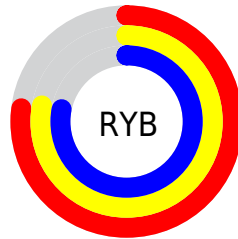
Distribution



Red (77%)

Green (78%)

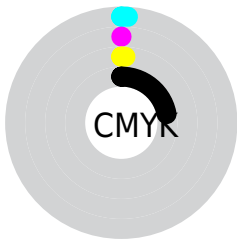
Blue (78%)



Red (77%)

Yellow (78%)

Blue (78%)

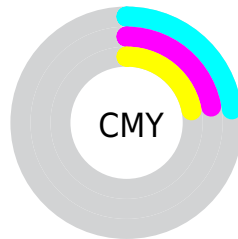


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (22%)



Cyan (23%)

Magenta (22%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7944, 0.3119, 0.3302 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 56.7944, 0.3119, 0.3302 by changing the saturation by 10% instead.

■ 56.7944, 0.3119,
0.3302

■ 56.7944, 0.3119,
0.3302

412.6785, 0.3123,
0.3296

■ 40.8402, 0.3118,
0.3303

100.1651, 0.3120,
0.3300

■ 28.1942, 0.3117,
0.3305

128.3504, 0.3121,
0.3299

■ 18.4721, 0.3115,
0.3307

161.3816, 0.3121,
0.3299

■ 11.2895, 0.3113,
0.3310

199.6429, 0.3122,
0.3298

■ 6.2619, 0.3110,
0.3315

243.5189, 0.3122,
0.3297

■ 3.0050, 0.3105,
0.3322

293.3939, 0.3122,

■ 1.1343, 0.3097,

0.3297

0.3334

349.6523, 0.3123,
0.3297

0.0071, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.7944, 0.3119,
0.3302

56.7944, 0.3119,
0.3302

53.8346, 0.3037,
0.3431

60.1447, 0.3201,
0.3187

51.2437, 0.2958,
0.3576


63.8918, 0.3282,
0.3086


49.0088, 0.2883,
0.3735


67.7225, 0.3348,
0.2995


47.1134, 0.2817,
0.3908


68.3004, 0.3273,
0.2897


 45.5400, 0.2761,
0.4093


 68.9116, 0.3199,
0.2802

 44.2690, 0.2720,
0.4287

 69.3260, 0.3153,
0.2742

 43.2790, 0.2696,
0.4486

 42.5454, 0.2691,
0.4684

 42.0391, 0.2706,
0.4876

Harmonies

Analogous

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



56.7944, 0.3131, 0.3309



56.7944, 0.3119, 0.3302



56.7944, 0.3109, 0.3292

Triad

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



56.7944, 0.3119, 0.3302



56.7944, 0.3113, 0.3270



56.7944, 0.3150, 0.3299

Complementary

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



56.7944, 0.3119, 0.3302



56.1644, 0.3135, 0.3278

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.



56.7944, 0.3145, 0.3288



56.7944, 0.3119, 0.3302



56.7944, 0.3124, 0.3272

Square

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



56.7944, 0.3119, 0.3302



56.7944, 0.3106, 0.3274



56.7944, 0.3136, 0.3279



56.7944, 0.3149, 0.3307

Rectangle

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



56.7944, 0.3119, 0.3302



56.7944, 0.3106, 0.3285



56.7944, 0.3136, 0.3279



56.7944, 0.3149, 0.3295

Sweetspot

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



56.7968, 0.3119, 0.3302

100.0000, 0.3127, 0.3290



56.8902, 0.3134, 0.3314



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

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



56.7968, 0.3119, 0.3302



99.4366, 0.3119, 0.3302



56.8416, 0.3112, 0.3290



12.5311, 0.3119, 0.3301



26.8512, 0.2727, 0.5016



1.2860, 0.2619, 0.4628

Inverse Universe

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



56.1644, 0.3135, 0.3278



98.3031, 0.3136, 0.3278



56.1198, 0.3143, 0.3290



12.3990, 0.3135, 0.3279



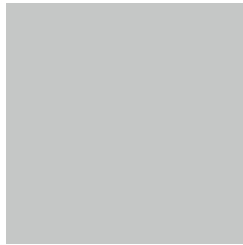
8.4285, 0.4910, 0.2478



0.4137, 0.4462, 0.2232

Previews

White Background



This preview shows how the Yxy color 56.7944, 0.3119, 0.3302 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 56.7944, 0.3119, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

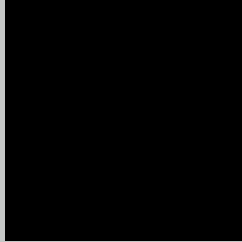
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

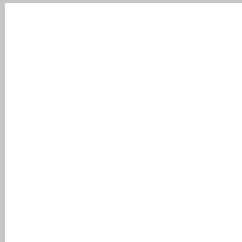
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7944, 0.3119, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 56.7944, 0.3119, 0.3302.



This preview shows how white text looks on a background with the Yxy color 56.7944, 0.3119, 0.3302.

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

56.7944, 0.3119, 0.3302

Protanopia

56.5203, 0.3167, 0.3290

Deuteranopia

56.5745, 0.3278, 0.3210



Tritanopia

56.8281, 0.3035, 0.3113

Trichromacy



Original Color

56.7944, 0.3119, 0.3302

Protanomaly

56.6987, 0.3150, 0.3302

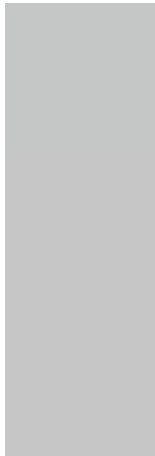
Deuteranomaly

56.8554, 0.3218, 0.3243

Tritanomaly

56.8989, 0.3062, 0.3183

Monochromacy



Original Color

56.7944, 0.3119, 0.3302

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.4712, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7944, 0.3119, 0.3302 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(197, 199, 198)` looks like.

```
.text, #text, p{  
    color:rgb(197, 199, 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(197, 199, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 199, 198) }
```

Border

The CSS property to change the border of an element to Yxy 56.7944, 0.3119, 0.3302 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(197, 199, 198) }
```

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

```
.border{ border-color:rgb(197, 199, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 199, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 199, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 199, 198);  
box-shadow:4px 4px 4px 4px rgb(197, 199,  
198) }
```

Background

The CSS property to change the background color of an element to Yxy 56.7944, 0.3119, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 199, 198) }
```

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

```
.background{ background-color: rgb(197,  
199, 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](#).

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