

Converting Colors

Yxy(64.5710, 0.3129, 0.3300)

Have a look what the booklet for
Yxy(64.5710, 0.3129, 0.3300)
contains.

Yxy(64.3983, 0.3134, 0.3301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(64.3983, 0.3134, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	D2D2D1
RGB	210, 210, 209
RGB Percent	82%, 82%, 82%
CMY	0.1764, 0.1765, 0.1803
CMYK	0.00, 0.00, 0.00, 0.18
HSL	59°, 1%, 82%
HSV	59°, 0%, 82%
XYZ	61.1403, 64.3983, 69.5486
YIQ	209.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

Format	Color
R _Y B	209, 210, 209
Decimal	13816529
CIE Lab	84.17, -0.16, 0.47
CIE LCh	84, 0.496, 108.896
Yxy	64.3983, 0.3134, 0.3301
Android (android.graphics.Color)	4292006609 (0xFFD2D2D1)
YUV	209.8860, -0.4368, 0.1000
Hunter-Lab	80.2486, -4.4381, 4.7894

Details

The Yxy color **64.3983, 0.3134, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.8414, 0.3120, 0.3279**, and the grayscale version is **64.3771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2114, 0.3136, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **63.1903, 0.3283, 0.3540**, and if you desaturate by 10%, it is **65.7497, 0.2993, 0.3073**.

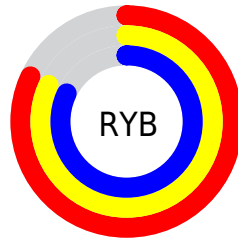
Distribution



Red (82%)

Green (82%)

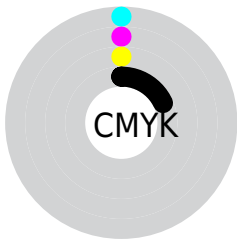
Blue (82%)



Red (82%)

Yellow (82%)

Blue (82%)

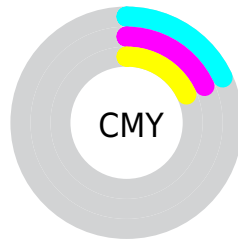


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (18%)



Cyan (18%)

Magenta (18%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3983, 0.3134, 0.3301 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 64.3983, 0.3134, 0.3301 by changing the saturation by 10% instead.

■ 64.3983, 0.3134,
0.3301

■ 64.3983, 0.3134,
0.3301

440.6266, 0.3131,
0.3296

■ 46.9733, 0.3135,
0.3302

111.1844, 0.3133,
0.3299

■ 33.0146, 0.3136,
0.3304

141.3142, 0.3132,
0.3299

■ 22.1376, 0.3137,
0.3306

176.4479, 0.3132,
0.3298

■ 13.9581, 0.3138,
0.3308

216.9697, 0.3132,
0.3297

■ 8.0915, 0.3141,
0.3312

263.2641, 0.3131,
0.3297

■ 4.1536, 0.3144,
0.3317

315.7155, 0.3131,

■ 1.7598, 0.3150,

0.3297

0.3326

374.7081, 0.3131,
0.3296

0.4619, 0.3183,
0.3379

0.0000, 0.0000,
0.0000

64.3983, 0.3134,
0.3301

64.3983, 0.3134,
0.3301

63.1903, 0.3283,
0.3540

65.7497, 0.2993,
0.3073

62.1120, 0.3436,
0.3786

67.2413, 0.2860,
0.2858

61.1607, 0.3589,
0.4030

67.7341, 0.2836,
0.2824

60.3301, 0.3737,
0.4265

67.9748, 0.2837,
0.2829

■ 59.6137, 0.3874,
0.4481

■ 68.2163, 0.2837,
0.2834

■ 59.0043, 0.3994,
0.4668

■ 68.4585, 0.2837,
0.2840

■ 58.4939, 0.4092,
0.4818

■ 68.7015, 0.2838,
0.2845

■ 58.0732, 0.4164,
0.4926

■ 68.9451, 0.2838,
0.2850

■ 57.7314, 0.4210,
0.4991

■ 69.1895, 0.2838,
0.2856

Harmonies

Analogous

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



64.3983, 0.3138, 0.3300



64.3983, 0.3134, 0.3301



64.3983, 0.3128, 0.3300

Triad

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



64.3983, 0.3134, 0.3301



64.3983, 0.3115, 0.3285



64.3983, 0.3133, 0.3285

Complementary

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



64.3983, 0.3134, 0.3301



63.8414, 0.3120, 0.3279

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.



64.3983, 0.3126, 0.3281



64.3983, 0.3134, 0.3301



64.3983, 0.3116, 0.3281

Square

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



64.3983, 0.3134, 0.3301



64.3983, 0.3117, 0.3290



64.3983, 0.3121, 0.3279



64.3983, 0.3137, 0.3290

Rectangle

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



64.3983, 0.3134, 0.3301



64.3983, 0.3124, 0.3297



64.3983, 0.3121, 0.3279



64.3983, 0.3131, 0.3283

Sweetspot

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



64.4011, 0.3134, 0.3301

100.0000, 0.3127, 0.3290



63.9274, 0.3134, 0.3290



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.



64.4011, 0.3134, 0.3301



99.7995, 0.3142, 0.3314



64.3447, 0.3131, 0.3301



13.9724, 0.3141, 0.3312



35.0642, 0.4233, 0.5021



1.9757, 0.4225, 0.5027

Inverse Universe

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



63.8414, 0.3120, 0.3279



97.9402, 0.3112, 0.3266



63.8976, 0.3124, 0.3279



13.7302, 0.3113, 0.3268



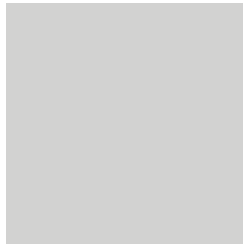
2.9223, 0.1505, 0.0616



0.1791, 0.1519, 0.0668

Previews

White Background



This preview shows how the Yxy color 64.3983, 0.3134, 0.3301 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 64.3983, 0.3134, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

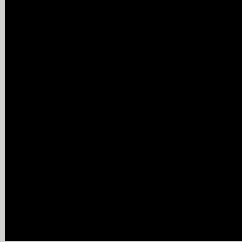
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

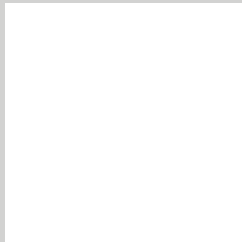
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3983, 0.3134, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 64.3983, 0.3134, 0.3301.

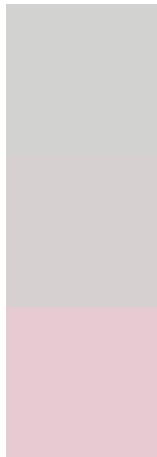


This preview shows how white text looks on a background with the Yxy color 64.3983, 0.3134, 0.3301.

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

64.3983, 0.3134, 0.3301

Protanopia

64.4511, 0.3172, 0.3301

Deuteranopia

64.1880, 0.3286, 0.3214



Tritanopia

64.4906, 0.3047, 0.3111

Trichromacy



Original Color

64.3983, 0.3134, 0.3301

Protanomaly

64.3011, 0.3164, 0.3301

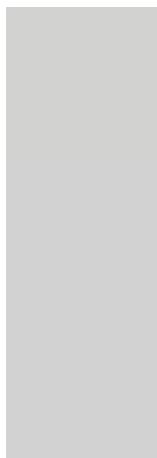
Deuteranomaly

64.4837, 0.3228, 0.3246

Tritanomaly

64.5643, 0.3073, 0.3177

Monochromacy



Original Color

64.3983, 0.3134, 0.3301

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.4480, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3983, 0.3134, 0.3301 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(210, 210, 209)` looks like.

```
.text, #text, p{  
    color:rgb(210, 210, 209)  
}
```

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(210, 210, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 210, 209) }
```

Border

The CSS property to change the border of an element to Yxy 64.3983, 0.3134, 0.3301 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(210, 210, 209) }
```

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

```
.border{ border-color:rgb(210, 210, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 210, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 210, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 210, 209);  
box-shadow:4px 4px 4px 4px rgb(210, 210,  
209) }
```

Background

The CSS property to change the background color of an element to Yxy 64.3983, 0.3134, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 210, 209) }
```

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

```
.background{ background-color: rgb(210,  
210, 209) }
```

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