

# Converting Colors

$Yxy(59.5964, 0.3124, 0.3357)$

Have a look what the booklet for  
Yxy(59.5964, 0.3124, 0.3357)  
contains.

<b>Yxy(59.4514, 0.3124, 0.3350)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(59.4514, 0.3124, 0.3350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7CCC7
RGB	199, 204, 199
RGB Percent	78%, 80%, 78%
CMY	0.2199, 0.1999, 0.2197
CMYK	0.02, 0.00, 0.02, 0.20
HSL	121°, 5%, 79%
HSV	121°, 2%, 80%
XYZ	55.4406, 59.4514, 62.5748
YIQ	201.9350, -1.3750, -2.6150

# Conversions

## Conversions Part 2

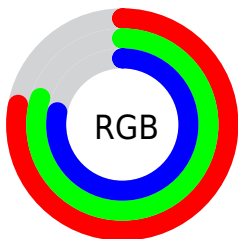
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 204, 204
Decimal	13094087
CIE Lab	81.54, -2.66, 1.89
CIE LCh	82, 3.264, 144.620
Yxy	59.4514, 0.3124, 0.3350
Android (android.graphics.Color)	4291284167 (0xFFC7CCC7)
YUV	201.9350, -1.4470, -2.5740
Hunter-Lab	77.1047, -6.5864, 5.8562

# Details

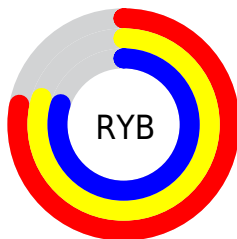
The Yxy color **59.4514, 0.3124, 0.3350** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.0178, 0.3130, 0.3231**, and the grayscale version is **59.0253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.8768, 0.3123, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **55.9711, 0.3110, 0.3612**, and if you desaturate by 10%, it is **63.4358, 0.3136, 0.3122**.

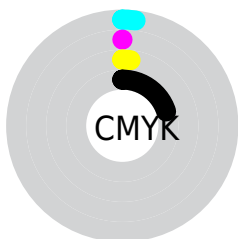
# Distribution



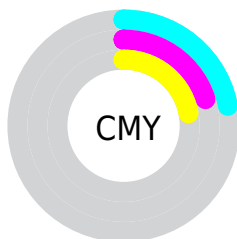
- Red (78%)
- Green (80%)
- Blue (78%)



- Red (78%)
- Yellow (80%)
- Blue (80%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)



- Cyan (22%)
- Magenta (20%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4514, 0.3124, 0.3350 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 59.4514, 0.3124, 0.3350 by changing the saturation by 10% instead.



■ 59.4514, 0.3124,  
0.3350

■ 59.4514, 0.3124,  
0.3350

422.5727, 0.3126,  
0.3321

■ 42.9766, 0.3124,  
0.3357

104.0334, 0.3125,  
0.3340

■ 29.8668, 0.3123,  
0.3366

132.9095, 0.3125,  
0.3336

■ 19.7375, 0.3122,  
0.3377

166.6880, 0.3125,  
0.3333

■ 12.2044, 0.3121,  
0.3392

205.7535, 0.3125,  
0.3330

■ 6.8830, 0.3120,  
0.3414

250.4904, 0.3125,  
0.3327

■ 3.3890, 0.3118,  
0.3448

301.2829, 0.3125,

■ 1.3381, 0.3114,

0.3325

0.3506

358.5155, 0.3126,  
0.3323

0.1704, 0.3023,  
0.5311

0.0000, 0.0000,  
0.0000

59.4514, 0.3124,  
0.3350

59.4514, 0.3124,  
0.3350

55.9711, 0.3110,  
0.3612

63.4358, 0.3136,  
0.3122

52.9675, 0.3095,  
0.3909

67.9351, 0.3147,  
0.2925

50.4221, 0.3079,  
0.4236

71.6776, 0.3151,  
0.2792

48.3126, 0.3061,  
0.4585

■ 46.6144, 0.3044,  
0.4941

■ 45.3007, 0.3028,  
0.5280

■ 44.3416, 0.3015,  
0.5574

■ 43.7025, 0.3006,  
0.5799

■ 43.3423, 0.3001,  
0.5938

# Harmonies

## Analogous

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



59.4514, 0.3166, 0.3363



59.4514, 0.3124, 0.3350



59.4514, 0.3084, 0.3321

# Triad

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



59.4514, 0.3124, 0.3350



59.4514, 0.3058, 0.3224



59.4514, 0.3200, 0.3297

# Complementary

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



59.4514, 0.3124, 0.3350



58.0178, 0.3130, 0.3231

# Split Complementary

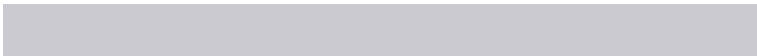
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.4514, 0.3171, 0.3260



59.4514, 0.3124, 0.3350



59.4514, 0.3089, 0.3218

# Square

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



59.4514, 0.3124, 0.3350



59.4514, 0.3045, 0.3248



59.4514, 0.3130, 0.3231



59.4514, 0.3210, 0.3332



# Rectangle

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



59.4514, 0.3124, 0.3350



59.4514, 0.3063, 0.3296



59.4514, 0.3130, 0.3231



59.4514, 0.3192, 0.3284

# Sweetspot

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



59.4540, 0.3124, 0.3350



99.3578, 0.3126, 0.3314



60.1591, 0.3163, 0.3350



21.2734, 0.3126, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

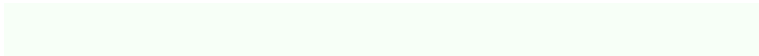


# Same Dimension

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



59.4540, 0.3124, 0.3350



98.0991, 0.3123, 0.3363



59.5710, 0.3106, 0.3320



12.9760, 0.3122, 0.3381



27.1849, 0.2998, 0.5994



1.4030, 0.2992, 0.5971



# Inverse Universe

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



58.0178, 0.3130, 0.3231



95.2114, 0.3131, 0.3218



57.8989, 0.3148, 0.3260



12.5038, 0.3132, 0.3200



10.7704, 0.3231, 0.1554

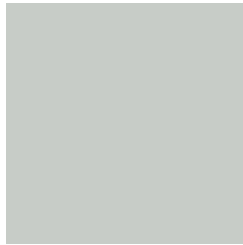


0.5562, 0.3227, 0.1551



# Previews

## White Background



This preview shows how the Yxy color 59.4514, 0.3124, 0.3350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

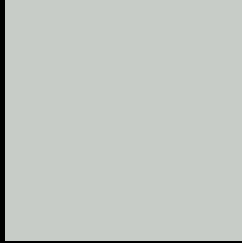
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.4514, 0.3124, 0.3350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

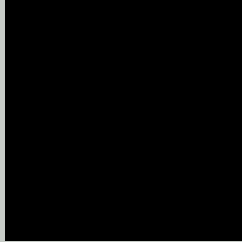
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

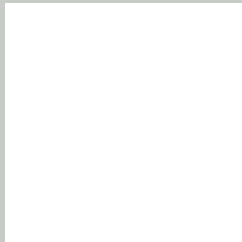
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.4514, 0.3124, 0.3350**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.4514, 0.3124, 0.3350.



This preview shows how white text looks on a background with the Yxy color 59.4514, 0.3124, 0.3350.

# 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

59.4514, 0.3124, 0.3350

### Protanopia

59.5837, 0.3195, 0.3337

### Deuteranopia

59.3849, 0.3307, 0.3234



## Tritanopia

59.3396, 0.3022, 0.3104

# Trichromacy



## Original Color

59.4514, 0.3124, 0.3350

## Protanomaly

59.6265, 0.3171, 0.3349

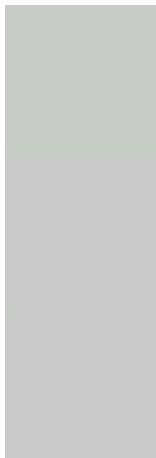
## Deuteranomaly

59.3131, 0.3238, 0.3279

## Tritanomaly

59.3117, 0.3063, 0.3196

# Monochromacy



## Original Color

59.4514, 0.3124, 0.3350

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.3464, 0.3126, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4514, 0.3124, 0.3350 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(199, 204, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 204, 199)  
}
```

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(199, 204, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 204, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4514, 0.3124, 0.3350 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(199, 204, 199) }
```

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

```
.border{ border-color:rgb(199, 204, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 204, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 204, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 204, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 204,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4514, 0.3124, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 204, 199) }
```

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

```
.background{ background-color: rgb(199,  
204, 199) }
```

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