

Converting Colors

$Y_{xy}(57.9104, 0.3436, 0.3770)$

Have a look what the booklet for
Yxy(57.9104, 0.3436, 0.3770)
contains.

Yxy(57.7228, 0.3432, 0.3764)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.7228, 0.3432, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	CCCAA3
RGB	204, 202, 163
RGB Percent	80%, 79%, 64%
CMY	0.2000, 0.2078, 0.3609
CMYK	0.00, 0.01, 0.20, 0.20
HSL	57°, 29%, 72%
HSV	57°, 20%, 80%
XYZ	52.6314, 57.7228, 43.0007
YIQ	198.1520, 13.7110, -11.7050

Conversions

Conversions Part 2

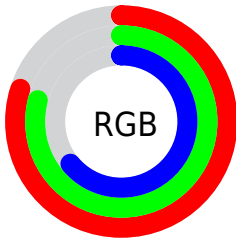
Format	Color
R_{YB}	165, 204, 163
Decimal	13421219
CIE _{Lab}	80.58, -5.72, 19.79
CIE _{LCh}	81, 20.601, 106.135
Yxy	57.7228, 0.3432, 0.3764
Android (android.graphics.Color)	4291611299 (0xFFCCCAA3)
YUV	198.1520, -17.3299, 5.1287
Hunter-Lab	75.9755, -9.3028, 19.6258

Details

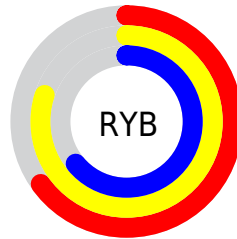
The Yxy color **57.7228, 0.3432, 0.3764** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.0395, 0.2796, 0.2767**, and the grayscale version is **56.6705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **28.7171, 0.3504, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **56.5877, 0.3588, 0.4003**, and if you desaturate by 10%, it is **58.9839, 0.3278, 0.3525**.

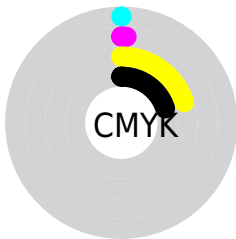
Distribution



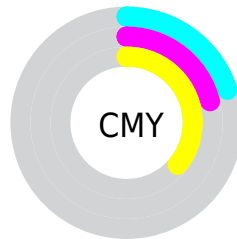
- Red (80%)
- Green (79%)
- Blue (64%)



- Red (65%)
- Yellow (80%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (20%)
- Black (20%)



- Cyan (20%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7228, 0.3432, 0.3764 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 57.7228, 0.3432, 0.3764 by changing the saturation by 10% instead.

■ 57.7228, 0.3432,
0.3764

■ 57.7228, 0.3432,
0.3764

416.1522, 0.3287,
0.3533

■ 41.5858, 0.3466,
0.3820

■ 101.5191, 0.3381,
0.3682

■ 28.7771, 0.3508,
0.3890

■ 129.9472, 0.3361,
0.3650

■ 18.9123, 0.3562,
0.3981

163.2411, 0.3345,
0.3623

■ 11.6069, 0.3632,
0.4104

201.7853, 0.3330,
0.3600

■ 6.4766, 0.3728,
0.4278

245.9641, 0.3317,
0.3580

■ 3.1370, 0.3862,
0.4540

296.1619, 0.3306,

■ 1.2037, 0.4490,

0.3563

0.5510

352.7632, 0.3296,
0.3547

0.0647, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.7228, 0.3432,
0.3764

57.7228, 0.3432,
0.3764

56.5877, 0.3588,
0.4003

58.9839, 0.3278,
0.3525

55.5654, 0.3740,
0.4233

60.3688, 0.3129,
0.3293

54.6523, 0.3882,
0.4446

61.8847, 0.2988,
0.3071

53.8416, 0.4009,
0.4632

63.5366, 0.2857,
0.2864

■ 53.1260, 0.4115,
0.4782

■ 64.6700, 0.2794,
0.2769

■ 52.4969, 0.4196,
0.4890

■ 65.1526, 0.2795,
0.2780

■ 51.9443, 0.4250,
0.4954

■ 65.6383, 0.2795,
0.2791

■ 51.4547, 0.4281,
0.4983

■ 66.1270, 0.2796,
0.2802

■ 66.6187, 0.2797,
0.2813

Harmonies

Analogous

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



57.7228, 0.3612, 0.3668



57.7228, 0.3432, 0.3764



57.7228, 0.3175, 0.3725

Triad

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



57.7228, 0.3432, 0.3764



57.7228, 0.2623, 0.3065



57.7228, 0.3333, 0.3046

Complementary

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



57.7228, 0.3432, 0.3764



39.0395, 0.2796, 0.2767

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.



57.7228, 0.3061, 0.2899



57.7228, 0.3432, 0.3764



57.7228, 0.2660, 0.2901

Square

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



57.7228, 0.3432, 0.3764



57.7228, 0.2714, 0.3304



57.7228, 0.2817, 0.2845



57.7228, 0.3555, 0.3254

Rectangle

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



57.7228, 0.3432, 0.3764



57.7228, 0.2996, 0.3622



57.7228, 0.2817, 0.2845



57.7228, 0.3244, 0.2989

Sweetspot

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



57.7254, 0.3432, 0.3764



98.5792, 0.3217, 0.3430



41.7372, 0.3504, 0.3265



21.0679, 0.3227, 0.3446



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.



57.7254, 0.3432, 0.3764



94.7801, 0.3497, 0.3865



56.2121, 0.3278, 0.3811



12.9994, 0.3267, 0.3508



32.4254, 0.4280, 0.4984



1.7022, 0.4261, 0.4998

Inverse Universe

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



39.0395, 0.2796, 0.2767



58.4951, 0.2718, 0.2642



40.4180, 0.2951, 0.2764



10.9301, 0.2982, 0.3062



2.9191, 0.1510, 0.0634



0.1820, 0.1542, 0.0750

Previews

White Background



This preview shows how the Yxy color 57.7228, 0.3432, 0.3764 looks on a white background.

Color Contrast Check

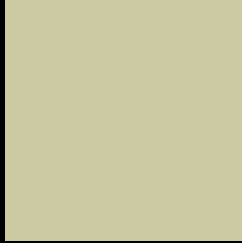
Large Text (above 18pt) WCAG AA × Fail

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 57.7228, 0.3432, 0.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

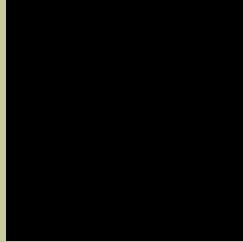
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.7228, 0.3432, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 57.7228, 0.3432, 0.3764.



This preview shows how white text looks on a background with the Yxy color 57.7228, 0.3432, 0.3764.

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

57.7228, 0.3432, 0.3764

Protanopia

57.9142, 0.3511, 0.3743

Deuteranopia

57.4048, 0.3672, 0.3597



Tritanopia

57.4350, 0.3128, 0.3105

Trichromacy



Original Color

57.7228, 0.3432, 0.3764

Protanomaly

57.9372, 0.3483, 0.3758

Deuteranomaly

57.5323, 0.3582, 0.3663

Tritanomaly

57.6931, 0.3236, 0.3337

Monochromacy



Original Color

57.7228, 0.3432, 0.3764

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.6290, 0.3238, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7228, 0.3432, 0.3764 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(204, 202, 163)` looks like.

```
.text, #text, p{  
    color:rgb(204, 202, 163)  
}
```

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(204, 202, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 202, 163) }
```

Border

The CSS property to change the border of an element to Yxy 57.7228, 0.3432, 0.3764 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(204, 202, 163) }
```

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

```
.border{ border-color:rgb(204, 202, 163) }
```

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

Here you see how a box with a 4 pixel rgb(204, 202, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 202, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 202, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 202,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7228, 0.3432, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 202, 163) }
```

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

```
.background{ background-color: rgb(204,  
202, 163) }
```

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