

# Converting Colors

Yxy(55.8220, 0.3881, 0.4517)

Have a look what the booklet for  
Yxy(55.8220, 0.3881, 0.4517)  
contains.

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# Color

**Yxy(55.8194, 0.3881, 0.4517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBCA62
RGB	203, 202, 98
RGB Percent	80%, 79%, 38%
CMY	0.2038, 0.2079, 0.6158
CMYK	0.00, 0.01, 0.52, 0.20
HSL	59°, 50%, 59%
HSV	59°, 52%, 80%
XYZ	47.9599, 55.8194, 19.7969
YIQ	190.4430, 33.9800, -32.1320

# Conversions

## Conversions Part 2

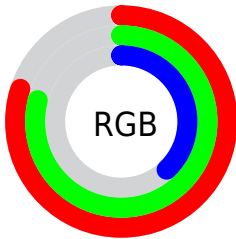
Format	Color
R <sub>YB</sub>	99, 203, 98
Decimal	13355618
CIE Lab	79.51, -13.62, 51.37
CIE LCh	80, 53.147, 104.853
Yxy	55.8194, 0.3881, 0.4517
Android (android.graphics.Color)	4291545698 (0xFFCBCA62)
YUV	190.4430, -45.5744, 11.0125
Hunter-Lab	74.7124, -16.1626, 36.5883

# Details

The Yxy color **55.8194, 0.3881, 0.4517** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **15.8370, 0.2143, 0.1674**, and the grayscale version is **52.0179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0144, 0.3739, 0.4302**, and **27.5801, 0.4028, 0.4806** is the 20% darker color. If you saturate the color by 10%, you get **55.3918, 0.3995, 0.4701**, and if you desaturate by 10%, it is **56.3495, 0.3749, 0.4303**.

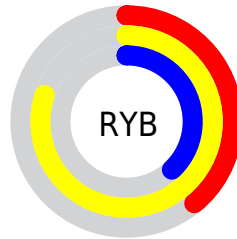
# Distribution



Red (80%)

Green (79%)

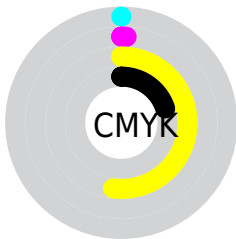
Blue (38%)



Red (39%)

Yellow (80%)

Blue (38%)

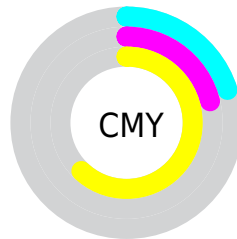


Cyan (0%)

Magenta (1%)

Yellow (52%)

Black (20%)



Cyan (20%)

Magenta (21%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8194, 0.3881, 0.4517 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 55.8194, 0.3881, 0.4517 by changing the saturation by 10% instead.




 55.8194, 0.3881,  
0.4517


 55.8194, 0.3881,  
0.4517


409.0105, 0.3545,  
0.3927

 40.0581, 0.3948,  
0.4651


 98.7405, 0.3771,  
0.4311

 27.5839, 0.4024,  
0.4813


 126.6691, 0.3725,  
0.4231

 18.0122, 0.4106,  
0.5010


 159.4223, 0.3686,  
0.4162

 10.9588, 0.4184,  
0.5248

 197.3844, 0.3651,  
0.4103

 6.0391, 0.4337,  
0.5663

240.9399, 0.3620,  
0.4050

 2.8689, 0.4181,  
0.5819

290.4732, 0.3592,

 1.0637, 0.3858,

0.4004

0.6142

346.3686, 0.3567,  
0.3963

■ 0.0000, 0.0000,  
0.0000

■ 55.8194, 0.3881,  
0.4517

■ 55.8194, 0.3881,  
0.4517

■ 55.3918, 0.3995,  
0.4701

■ 56.3495, 0.3749,  
0.4303

■ 55.0515, 0.4087,  
0.4848

■ 56.9811, 0.3604,  
0.4068

■ 54.7925, 0.4153,  
0.4952

■ 57.7230, 0.3453,  
0.3822

■ 54.6045, 0.4193,  
0.5013

■ 58.5807, 0.3301,  
0.3574

■ 54.4875, 0.4211,  
0.5039

■ 59.5596, 0.3152,  
0.3331

■ 60.6645, 0.3010,  
0.3099

■ 61.9002, 0.2877,  
0.2880

■ 62.9176, 0.2785,  
0.2730

■ 63.0128, 0.2785,  
0.2732

# Harmonies

## Analogous

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



55.8194, 0.4365, 0.4158



55.8194, 0.3881, 0.4517



55.8194, 0.3225, 0.4518

# Triad

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



55.8194, 0.3881, 0.4517



55.8194, 0.1912, 0.2683



55.8194, 0.3615, 0.2674

# Complementary

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



55.8194, 0.3881, 0.4517



15.8370, 0.2143, 0.1674

# 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.



55.8194, 0.2901, 0.2350



55.8194, 0.3881, 0.4517



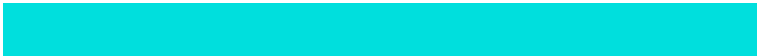
55.8194, 0.1988, 0.2318

# Square

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



55.8194, 0.3881, 0.4517



55.8194, 0.2111, 0.3312



55.8194, 0.2325, 0.2219



55.8194, 0.4236, 0.3132



# Rectangle

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



55.8194, 0.3881, 0.4517



55.8194, 0.2781, 0.4248



55.8194, 0.2325, 0.2219



55.8194, 0.3373, 0.2548

# Sweetspot

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



55.8220, 0.3881, 0.4517



97.3883, 0.3369, 0.3685



22.3485, 0.4582, 0.3272



20.7815, 0.3401, 0.3737



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.



55.8220, 0.3881, 0.4517



92.6484, 0.4006, 0.4719



50.3100, 0.3443, 0.4737



13.0769, 0.3266, 0.3517



34.6710, 0.4210, 0.5039



1.7949, 0.4207, 0.5042



# Inverse Universe

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



15.8370, 0.2143, 0.1674



18.5781, 0.1919, 0.1302



19.4125, 0.2601, 0.1836



10.8614, 0.2982, 0.3053



2.7796, 0.1502, 0.0607



0.1498, 0.1509, 0.0631



# Previews

## White Background



This preview shows how the Yxy color 55.8194, 0.3881, 0.4517 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 55.8194, 0.3881, 0.4517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

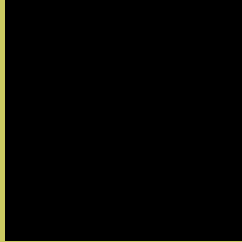
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.8194, 0.3881, 0.4517**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8194, 0.3881, 0.4517.



This preview shows how white text looks on a background with the Yxy color 55.8194, 0.3881, 0.4517.

# 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

55.8194, 0.3881, 0.4517

### Protanopia

55.6825, 0.4053, 0.4426

### Deuteranopia

55.8030, 0.4281, 0.4191



## Tritanopia

55.5308, 0.3209, 0.3117

# Trichromacy



## Original Color

55.8194, 0.3881, 0.4517

## Protanomaly

55.8560, 0.3991, 0.4457

## Deuteranomaly

55.5735, 0.4134, 0.4301

## Tritanomaly

55.0384, 0.3477, 0.3628

# Monochromacy



## Original Color

55.8194, 0.3881, 0.4517

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.6200, 0.3419, 0.3758

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8194, 0.3881, 0.4517 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(203, 202, 98)` looks like.

```
.text, #text, p{  
    color:rgb(203, 202, 98)  
}
```

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(203, 202, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 202, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8194, 0.3881, 0.4517 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(203, 202, 98) }
```

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

```
.border{ border-color:rgb(203, 202, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 202, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 202, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 202, 98);  
box-shadow:4px 4px 4px 4px rgb(203, 202,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8194, 0.3881, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 202, 98) }
```

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

```
.background{ background-color: rgb(203,  
202, 98) }
```

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](#).

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