

# Converting Colors

Yxy(51.5317, 0.3662, 0.4173)

Have a look what the booklet for  
Yxy(51.5317, 0.3662, 0.4173)  
contains.

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# Color

**Yxy(51.5081, 0.3664, 0.4177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2C27C
RGB	194, 194, 124
RGB Percent	76%, 76%, 49%
CMY	0.2391, 0.2392, 0.5138
CMYK	0.00, 0.00, 0.36, 0.24
HSL	60°, 36%, 62%
HSV	60°, 36%, 76%
XYZ	45.1821, 51.5081, 26.6234
YIQ	186.0200, 22.4700, -21.7700

# Conversions

## Conversions Part 2

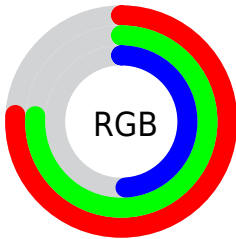
Format	Color
<a href="#">RYB</a>	<a href="#">124, 194, 124</a>
Decimal	<a href="#">12763772</a>
CIELab	<a href="#">76.99, -10.58, 35.26</a>
CIELCh	<a href="#">77, 36.809, 106.701</a>
Yxy	<a href="#">51.5081, 0.3664, 0.4177</a>
Android (android.graphics.Color)	<a href="#">4290953852 (0xFFC2C27C)</a>
YUV	<a href="#">186.0200, -30.5759, 6.9985</a>
Hunter-Lab	<a href="#">71.7691, -13.2217, 28.2442</a>

# Details

The Yxy color **51.5081, 0.3664, 0.4177** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.5985, 0.2478, 0.2217**, and the grayscale version is **49.2820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0548, 0.3577, 0.4020**, and **25.0331, 0.3781, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **51.0634, 0.3802, 0.4405**, and if you desaturate by 10%, it is **52.0540, 0.3517, 0.3934**.

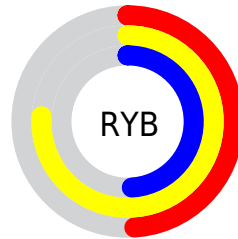
# Distribution



Red (76%)

Green (76%)

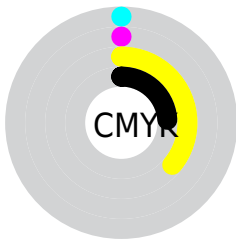
Blue (49%)



Red (49%)

Yellow (76%)

Blue (49%)

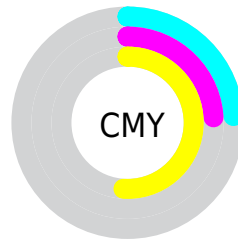


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (24%)



Cyan (24%)

Magenta (24%)


Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5081, 0.3664, 0.4177 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 51.5081, 0.3664, 0.4177 by changing the saturation by 10% instead.





 51.5081, 0.3664,  
0.4177


 51.5081, 0.3664,  
0.4177


392.5346, 0.3411,  
0.3737


 36.6131, 0.3721,  
0.4283


 92.4054, 0.3577,  
0.4019

 24.9081, 0.3789,  
0.4417


 119.1765, 0.3542,  
0.3959

 16.0086, 0.3872,  
0.4589


 150.6751, 0.3513,  
0.3908

 9.5302, 0.3970,  
0.4816

187.2856, 0.3487,  
0.3864

 5.0886, 0.4083,  
0.5124

229.3925, 0.3465,  
0.3826

 2.2994, 0.4298,  
0.5702

277.3800, 0.3445,

 0.7734, 0.3814,

0.3793

0.6186

331.6326, 0.3427,  
0.3763

0.0000, 0.0000,  
0.0000

51.5081, 0.3664,  
0.4177

51.5081, 0.3664,  
0.4177

51.0634, 0.3802,  
0.4405

52.0540, 0.3517,  
0.3934

50.7073, 0.3925,  
0.4608

52.6994, 0.3366,  
0.3685

50.4358, 0.4028,  
0.4778


53.4514, 0.3216,  
0.3437


50.2418, 0.4106,  
0.4907


54.3147, 0.3071,  
0.3198

50.1171, 0.4158,  
0.4994

55.2934, 0.2934,  
0.2971


 50.0512, 0.4186,  
0.5040

 56.3916, 0.2806,  
0.2760

 50.0333, 0.4194,  
0.5052

 57.3001, 0.2716,  
0.2611

 57.3036, 0.2716,  
0.2611

 57.3071, 0.2716,  
0.2611

# Harmonies

## Analogous

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



51.5081, 0.4013, 0.3965



51.5081, 0.3664, 0.4177



51.5081, 0.3187, 0.4126

# Triad

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



51.5081, 0.3664, 0.4177



51.5081, 0.2226, 0.2847



51.5081, 0.3511, 0.2858

# Complementary

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



51.5081, 0.3664, 0.4177



22.5985, 0.2478, 0.2217

# 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.



51.5081, 0.3003, 0.2602



51.5081, 0.3664, 0.4177



51.5081, 0.2294, 0.2574

# Square

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



51.5081, 0.3664, 0.4177



51.5081, 0.2372, 0.3290



51.5081, 0.2566, 0.2497



51.5081, 0.3934, 0.3214



# Rectangle

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



51.5081, 0.3664, 0.4177



51.5081, 0.2864, 0.3925



51.5081, 0.2566, 0.2497



51.5081, 0.3343, 0.2759

# Sweetspot

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



51.5104, 0.3664, 0.4177



96.0951, 0.3292, 0.3562



27.3686, 0.3971, 0.3277



21.0030, 0.3313, 0.3596



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.



51.5104, 0.3664, 0.4177



92.6661, 0.3770, 0.4352



47.5416, 0.3367, 0.4273



11.7576, 0.3265, 0.3517



32.8857, 0.4194, 0.5052



1.4211, 0.4194, 0.5052



# Inverse Universe

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



22.5985, 0.2478, 0.2217



32.9053, 0.2316, 0.1950



25.5601, 0.2796, 0.2304



9.7486, 0.2983, 0.3052



2.5623, 0.1500, 0.0600



0.1109, 0.1501, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 51.5081, 0.3664, 0.4177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

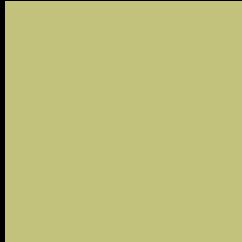
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5081, 0.3664, 0.4177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

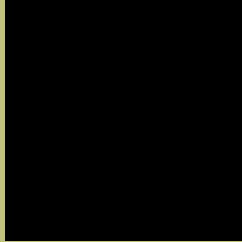
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5081, 0.3664, 0.4177**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5081, 0.3664, 0.4177.



This preview shows how white text looks on a background with the Yxy color 51.5081, 0.3664, 0.4177.

# 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

51.5081, 0.3664, 0.4177

### Protanopia

51.4975, 0.3813, 0.4120

### Deuteranopia

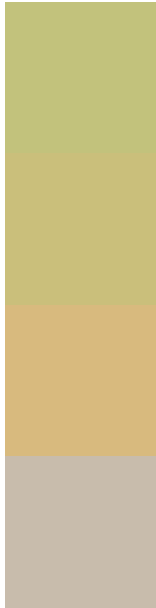
51.4822, 0.4003, 0.3922



## Tritanopia

51.5180, 0.3168, 0.3122

# Trichromacy



## Original Color

51.5081, 0.3664, 0.4177

## Protanomaly

51.2482, 0.3755, 0.4133

## Deuteranomaly

51.2231, 0.3882, 0.4006

## Tritanomaly

51.2244, 0.3355, 0.3490

# Monochromacy



## Original Color

51.5081, 0.3664, 0.4177

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.8584, 0.3330, 0.3626

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5081, 0.3664, 0.4177 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(194, 194, 124)` looks like.

```
.text, #text, p{  
    color:rgb(194, 194, 124)  
}
```

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(194, 194, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 194, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5081, 0.3664, 0.4177 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(194, 194, 124) }
```

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

```
.border{ border-color:rgb(194, 194, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 194, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 194, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 194, 124);  
box-shadow:4px 4px 4px 4px rgb(194, 194,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5081, 0.3664, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 194, 124) }
```

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

```
.background{ background-color: rgb(194,  
194, 124) }
```

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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