

# Converting Colors

$Yxy(50.1989, 0.3907, 0.3882)$

Have a look what the booklet for  
Yxy(50.1989, 0.3907, 0.3882)  
contains.

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# **Color**

**Yxy(50.0586, 0.3911, 0.3881)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDB583
RGB	221, 181, 131
RGB Percent	87%, 71%, 51%
CMY	0.1332, 0.2902, 0.4862
CMYK	0.00, 0.18, 0.41, 0.13
HSL	33°, 57%, 69%
HSV	33°, 41%, 87%
XYZ	50.4456, 50.0586, 28.4796
YIQ	187.2600, 39.8900, -7.0700

# Conversions

## Conversions Part 2

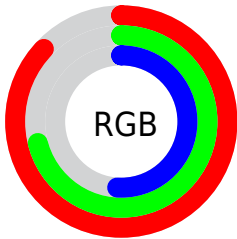
Format	Color
R <sub>Y</sub> B	203, 221, 131
Decimal	14529923
CIE Lab	76.11, 7.82, 30.90
CIE LCh	76, 31.871, 75.801
Yxy	50.0586, 0.3911, 0.3881
Android (android.graphics.Color)	4292720003 (0xFFDDB583)
YUV	187.2600, -27.7362, 29.5900
Hunter-Lab	70.7521, 3.4526, 25.6607

# Details

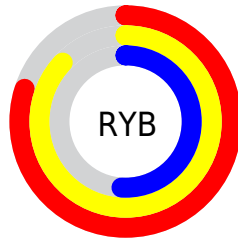
The Yxy color **50.0586, 0.3911, 0.3881** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **39.1891, 0.2462, 0.2609**, and the grayscale version is **49.9940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2891, 0.3595, 0.3824**, and **23.9249, 0.4117, 0.4018** is the 20% darker color. If you saturate the color by 10%, you get **45.6669, 0.4152, 0.4020**, and if you desaturate by 10%, it is **54.8648, 0.3686, 0.3733**.

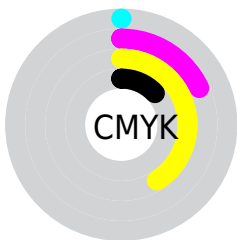
# Distribution



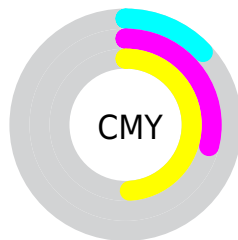
- Red (87%)
- Green (71%)
- Blue (51%)



- Red (80%)
- Yellow (87%)
- Blue (51%)



- Cyan (0%)
- Magenta (18%)
- Yellow (41%)
- Black (13%)




- Cyan (13%)
- Magenta (29%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0586, 0.3911, 0.3881 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 50.0586, 0.3911, 0.3881 by changing the saturation by 10% instead.





 50.0586, 0.3911,  
0.3881


 50.0586, 0.3911,  
0.3881

386.8951, 0.3526,  
0.3601


 35.4600, 0.4003,  
0.3945


 90.2617, 0.3773,  
0.3784

 24.0174, 0.4119,  
0.4022


 116.6349, 0.3721,  
0.3746

 15.3465, 0.4267,  
0.4118


 147.7018, 0.3676,  
0.3713

 9.0630, 0.4461,  
0.4236

183.8468, 0.3638,  
0.3685

 4.7823, 0.4721,  
0.4376

225.4542, 0.3604,  
0.3660

 2.1201, 0.5285,  
0.4715

272.9085, 0.3575,

 0.6759, 0.5521,

0.3638

0.4479

326.5939, 0.3549,  
0.3618

0.0000, 0.0000,  
0.0000

50.0586, 0.3911,  
0.3881

50.0586, 0.3911,  
0.3881

45.6669, 0.4152,  
0.4020

54.8648, 0.3686,  
0.3733

41.6688, 0.4404,  
0.4138

60.0916, 0.3482,  
0.3584

38.0515, 0.4655,  
0.4225

65.7538, 0.3300,  
0.3438

34.7983, 0.4891,  
0.4268

71.8629, 0.3138,  
0.3300

31.8903, 0.5098,  
0.4257

78.4303, 0.2996,  
0.3170

■ 29.4761, 0.5261,  
0.4205

■ 84.8984, 0.2919,  
0.3136

■ 90.8423, 0.2922,  
0.3237

■ 94.1160, 0.2923,  
0.3289

# Harmonies

## Analogous

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



50.0586, 0.3994, 0.3568



50.0586, 0.3911, 0.3881



50.0586, 0.3614, 0.4063

# Triad

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



50.0586, 0.3911, 0.3881



50.0586, 0.2469, 0.3307



50.0586, 0.3008, 0.2676

# Complementary

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



50.0586, 0.3911, 0.3881



39.1891, 0.2462, 0.2609

# 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.



50.0586, 0.2625, 0.2588



50.0586, 0.3911, 0.3881



50.0586, 0.2332, 0.2916

# Square

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



50.0586, 0.3911, 0.3881



50.0586, 0.2780, 0.3730



50.0586, 0.2387, 0.2666



50.0586, 0.3452, 0.2900



# Rectangle

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



50.0586, 0.3911, 0.3881



50.0586, 0.3342, 0.4062



50.0586, 0.2387, 0.2666



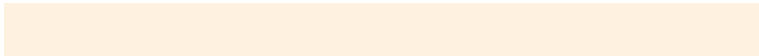
50.0586, 0.2869, 0.2630

# Sweetspot

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



50.0610, 0.3911, 0.3881



89.8065, 0.3324, 0.3458



34.5717, 0.3687, 0.2811



18.9965, 0.3347, 0.3477



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.



50.0610, 0.3911, 0.3881



63.9200, 0.4119, 0.4002



68.0439, 0.3698, 0.4306



14.2446, 0.3278, 0.3420



17.3484, 0.5240, 0.4222



1.2948, 0.5023, 0.4394



# Inverse Universe

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



39.1891, 0.2462, 0.2609



46.9259, 0.2319, 0.2432



26.6509, 0.2407, 0.2053



13.5656, 0.2982, 0.3157



8.3560, 0.1724, 0.1406



0.7114, 0.1812, 0.1722



# Previews

## White Background



This preview shows how the Yxy color 50.0586, 0.3911, 0.3881 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 50.0586, 0.3911, 0.3881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

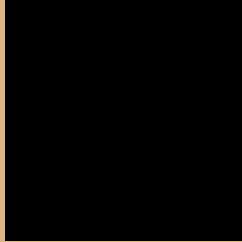
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.0586, 0.3911, 0.3881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0586, 0.3911, 0.3881.



This preview shows how white text looks on a background with the Yxy color 50.0586, 0.3911, 0.3881.

# 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

50.0586, 0.3911, 0.3881

### Protanopia

50.2442, 0.3682, 0.3966

### Deuteranopia

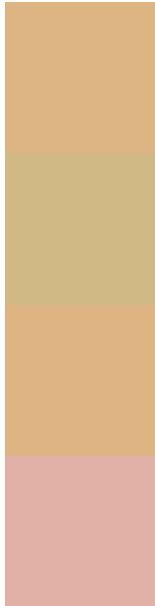
50.1285, 0.3943, 0.3864



## Tritanopia

50.1909, 0.3492, 0.3142

# Trichromacy



**Original Color**

50.0586, 0.3911, 0.3881

**Protanomaly**

49.9467, 0.3766, 0.3929

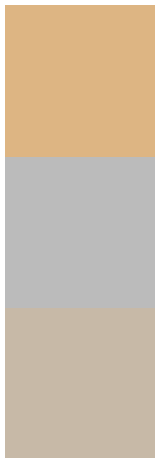
**Deuteranomaly**

49.9692, 0.3934, 0.3866

**Tritanomaly**

50.2419, 0.3646, 0.3408

# Monochromacy



**Original Color**

50.0586, 0.3911, 0.3881

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

49.6301, 0.3393, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0586, 0.3911, 0.3881 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(221, 181, 131)` looks like.

```
.text, #text, p{  
    color:rgb(221, 181, 131)  
}
```

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(221, 181, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 181, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0586, 0.3911, 0.3881 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(221, 181, 131) }
```

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

```
.border{ border-color:rgb(221, 181, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 181, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 181, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 181, 131);  
box-shadow:4px 4px 4px 4px rgb(221, 181,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0586, 0.3911, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 181, 131) }
```

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

```
.background{ background-color: rgb(221,  
181, 131) }
```

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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