

# Converting Colors

$Yxy(66.0433, 0.3715, 0.4185)$

Have a look what the booklet for  
Yxy(66.0433, 0.3715, 0.4185)  
contains.

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# Color

**Yxy(66.2900, 0.3715, 0.4181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDD889
RGB	221, 216, 137
RGB Percent	87%, 85%, 54%
CMY	0.1331, 0.1530, 0.4627
CMYK	0.00, 0.02, 0.38, 0.13
HSL	56°, 55%, 70%
HSV	56°, 38%, 87%
XYZ	58.9015, 66.2900, 33.3590
YIQ	208.4890, 28.3390, -23.5090

# Conversions

## Conversions Part 2

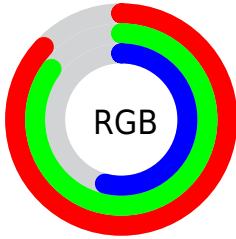
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	142, 221, 137
Decimal	14538889
CIE Lab	85.14, -9.68, 39.56
CIE LCh	85, 40.726, 103.753
Yxy	66.2900, 0.3715, 0.4181
Android (android.graphics.Color)	4292728969 (0xFFDDD889)
YUV	208.4890, -35.2441, 10.9721
Hunter-Lab	81.4187, -13.3486, 32.7006

# Details

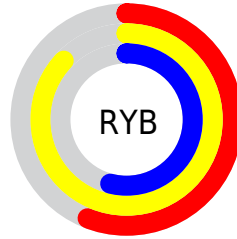
The Yxy color **66.2900, 0.3715, 0.4181** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.9076, 0.2441, 0.2208**, and the grayscale version is **63.6362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **34.1610, 0.3842, 0.4384** is the 20% darker color. If you saturate the color by 10%, you get **65.0431, 0.3863, 0.4397**, and if you desaturate by 10%, it is **67.6784, 0.3559, 0.3949**.

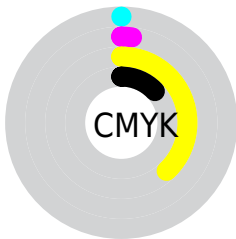
# Distribution



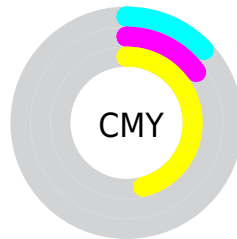
- Red (87%)
- Green (85%)
- Blue (54%)



- Red (56%)
- Yellow (87%)
- Blue (54%)



- Cyan (0%)
- Magenta (2%)
- Yellow (38%)
- Black (13%)




- Cyan (13%)
- Magenta (15%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2900, 0.3715, 0.4181 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 66.2900, 0.3715, 0.4181 by changing the saturation by 10% instead.




 66.2900, 0.3715,  
0.4181


 66.2900, 0.3715,  
0.4181


447.4133, 0.3450,  
0.3760


 48.5079, 0.3772,  
0.4277

 113.9025, 0.3625,  
0.4035

 34.2292, 0.3840,  
0.4395


 144.5016, 0.3590,  
0.3978

 23.0698, 0.3921,  
0.4542


 180.1418, 0.3559,  
0.3929

 14.6450, 0.4017,  
0.4728

221.2075, 0.3532,  
0.3886

 8.5706, 0.4126,  
0.4967

268.0831, 0.3507,  
0.3849

 4.4622, 0.4312,  
0.5369

321.1530, 0.3486,

 1.9353, 0.4316,

0.3816

0.5684

380.8016, 0.3467,  
0.3787

0.5695, 0.3487,  
0.6513

0.0000, 0.0000,  
0.0000

66.2900, 0.3715,  
0.4181

66.2900, 0.3715,  
0.4181

65.0431, 0.3863,  
0.4397

67.6784, 0.3559,  
0.3949

63.9206, 0.3997,  
0.4588

69.2067, 0.3402,  
0.3711

62.9168, 0.4110,  
0.4745

70.8845, 0.3247,  
0.3474

62.0214, 0.4199,  
0.4860

72.7182, 0.3098,  
0.3246

61.2227, 0.4261,  
0.4931

74.7138, 0.2959,  
0.3028

60.5038, 0.4298,  
0.4961

75.8981, 0.2914,  
0.2968

60.3659, 0.4304,  
0.4965

76.6161, 0.2915,  
0.2982

77.3398, 0.2915,  
0.2996

78.0691, 0.2915,  
0.3010

# Harmonies

## Analogous

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



66.2900, 0.4051, 0.3944



66.2900, 0.3715, 0.4181



66.2900, 0.3237, 0.4161

# Triad

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



66.2900, 0.3715, 0.4181



66.2900, 0.2217, 0.2876



66.2900, 0.3468, 0.2820

# Complementary

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



66.2900, 0.3715, 0.4181



29.9076, 0.2441, 0.2208

# 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.



66.2900, 0.2952, 0.2574



66.2900, 0.3715, 0.4181



66.2900, 0.2265, 0.2580

# Square

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



66.2900, 0.3715, 0.4181



66.2900, 0.2386, 0.3339



66.2900, 0.2522, 0.2484



66.2900, 0.3915, 0.3174



# Rectangle

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



66.2900, 0.3715, 0.4181



66.2900, 0.2905, 0.3974



66.2900, 0.2522, 0.2484



66.2900, 0.3295, 0.2723

# Sweetspot

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



66.2930, 0.3715, 0.4181



97.2505, 0.3294, 0.3546



35.2443, 0.4000, 0.3225



20.7470, 0.3315, 0.3579



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.



66.2930, 0.3715, 0.4181



90.1829, 0.3839, 0.4363



63.8141, 0.3412, 0.4328



15.1225, 0.3268, 0.3507



35.1102, 0.4302, 0.4966



2.3162, 0.4282, 0.4982



# Inverse Universe

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



29.9076, 0.2441, 0.2208



32.7759, 0.2266, 0.1925



32.0489, 0.2733, 0.2227



12.7423, 0.2981, 0.3063



3.2593, 0.1511, 0.0640



0.2565, 0.1545, 0.0760



# Previews

## White Background



This preview shows how the Yxy color 66.2900, 0.3715, 0.4181 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 66.2900, 0.3715, 0.4181 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 66.2900, 0.3715, 0.4181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2900, 0.3715, 0.4181.



This preview shows how white text looks on a background with the Yxy color 66.2900, 0.3715, 0.4181.

# 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

66.2900, 0.3715, 0.4181

### Protanopia

66.3550, 0.3814, 0.4136

### Deuteranopia

65.8950, 0.4020, 0.3930



## Tritanopia

66.4055, 0.3203, 0.3118

# Trichromacy



**Original Color**

66.2900, 0.3715, 0.4181

**Protanomaly**

66.2016, 0.3778, 0.4157

**Deuteranomaly**

66.0599, 0.3906, 0.4016

**Tritanomaly**

66.1857, 0.3393, 0.3502

# Monochromacy



**Original Color**

66.2900, 0.3715, 0.4181

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

64.1121, 0.3347, 0.3626

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2900, 0.3715, 0.4181 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, 216, 137)` looks like.

```
.text, #text, p{  
    color:rgb(221, 216, 137)  
}
```

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, 216, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 216, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2900, 0.3715, 0.4181 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, 216, 137) }
```

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

```
.border{ border-color:rgb(221, 216, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 216, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 216, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 216, 137);  
box-shadow:4px 4px 4px 4px rgb(221, 216,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2900, 0.3715, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 216, 137) }
```

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

```
.background{ background-color: rgb(221,  
216, 137) }
```

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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