

# Converting Colors

Yxy(69.0886, 0.3292, 0.3517)

Have a look what the booklet for  
Yxy(69.0886, 0.3292, 0.3517)  
contains.

<b>Yxy(69.0291, 0.3294, 0.3513)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(69.0291, 0.3294, 0.3513)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDD9C5
RGB	221, 217, 197
RGB Percent	87%, 85%, 77%
CMY	0.1331, 0.1491, 0.2274
CMYK	0.00, 0.02, 0.11, 0.13
HSL	50°, 26%, 82%
HSV	50°, 11%, 87%
XYZ	64.7258, 69.0291, 62.7412
YIQ	215.9160, 8.8040, -5.3720

# Conversions

## Conversions Part 2

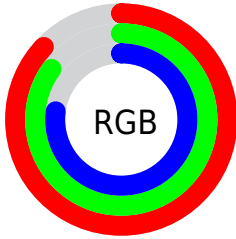
Format	Color
R <sub>Y</sub> B	202, 221, 197
Decimal	14539205
CIE Lab	86.52, -1.99, 10.33
CIE LCh	87, 10.518, 100.929
Yxy	69.0291, 0.3294, 0.3513
Android (android.graphics.Color)	4292729285 (0xFFDDD9C5)
YUV	215.9160, -9.3256, 4.4587
Hunter-Lab	83.0838, -6.3374, 13.3854

# Details

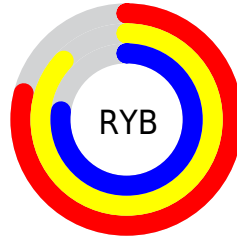
The Yxy color **69.0291, 0.3294, 0.3513** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.9136, 0.2957, 0.3057**, and the grayscale version is **68.6774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **35.9308, 0.3338, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **66.1790, 0.3458, 0.3725**, and if you desaturate by 10%, it is **72.0779, 0.3140, 0.3308**.

# Distribution



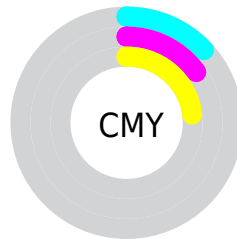
- Red (87%)
- Green (85%)
- Blue (77%)



- Red (79%)
- Yellow (87%)
- Blue (77%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0291, 0.3294, 0.3513 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 69.0291, 0.3294, 0.3513 by changing the saturation by 10% instead.



■ 69.0291, 0.3294,  
0.3513

■ 69.0291, 0.3294,  
0.3513

457.1336, 0.3216,  
0.3408

■ 50.7354, 0.3312,  
0.3537

117.8231, 0.3267,  
0.3476

■ 35.9981, 0.3334,  
0.3567

149.0923, 0.3256,  
0.3462

■ 24.4327, 0.3362,  
0.3606

185.4553, 0.3247,  
0.3450

■ 15.6549, 0.3399,  
0.3657

227.2968, 0.3240,  
0.3440

■ 9.2803, 0.3450,  
0.3728

275.0009, 0.3233,  
0.3430

■ 4.9245, 0.3524,  
0.3831

328.9521, 0.3227,

■ 2.2030, 0.3640,

0.3422

0.3997

389.5349, 0.3221,  
0.3415

0.7216, 0.4479,  
0.5073

0.0000, 0.0000,  
0.0000

69.0291, 0.3294,  
0.3513

69.0291, 0.3294,  
0.3513

66.1790, 0.3458,  
0.3725

72.0779, 0.3140,  
0.3308

63.5117, 0.3628,  
0.3939

75.3227, 0.2998,  
0.3113

61.0231, 0.3801,  
0.4147

78.2241, 0.2916,  
0.3013

58.7054, 0.3970,  
0.4341

80.3147, 0.2917,  
0.3052

■ 56.5501, 0.4129,  
0.4509

■ 82.4504, 0.2918,  
0.3092

■ 54.5478, 0.4270,  
0.4642

■ 84.6315, 0.2919,  
0.3131

■ 52.6875, 0.4386,  
0.4733

■ 86.8583, 0.2920,  
0.3170

■ 50.9566, 0.4474,  
0.4777

■ 89.1310, 0.2921,  
0.3208

■ 49.4712, 0.4533,  
0.4783

■ 91.4500, 0.2922,  
0.3247

# Harmonies

## Analogous

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



69.0291, 0.3368, 0.3463



69.0291, 0.3294, 0.3513



69.0291, 0.3176, 0.3502

# Triad

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



69.0291, 0.3294, 0.3513



69.0291, 0.2884, 0.3204



69.0291, 0.3206, 0.3155

# Complementary

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



69.0291, 0.3294, 0.3513



58.9136, 0.2957, 0.3057

# 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.



69.0291, 0.3075, 0.3088



69.0291, 0.3294, 0.3513



69.0291, 0.2891, 0.3114

# Square

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



69.0291, 0.3294, 0.3513



69.0291, 0.2940, 0.3321



69.0291, 0.2960, 0.3073



69.0291, 0.3317, 0.3256



# Rectangle

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



69.0291, 0.3294, 0.3513



69.0291, 0.3088, 0.3461



69.0291, 0.2960, 0.3073



69.0291, 0.3162, 0.3128

# Sweetspot

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



69.0321, 0.3294, 0.3513



98.6911, 0.3172, 0.3351



59.5572, 0.3286, 0.3241



21.0500, 0.3184, 0.3367



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.



69.0321, 0.3294, 0.3513



94.5073, 0.3330, 0.3560



69.9944, 0.3233, 0.3562



14.8680, 0.3271, 0.3483



28.8643, 0.4527, 0.4788



1.9716, 0.4463, 0.4838



# Inverse Universe

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



58.9136, 0.2957, 0.3057



77.9261, 0.2920, 0.3005



58.0879, 0.3014, 0.3013



12.9727, 0.2981, 0.3090



3.9331, 0.1543, 0.0756

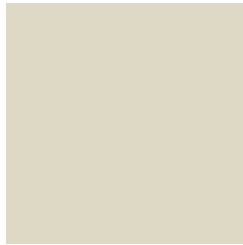


0.3656, 0.1619, 0.1028



# Previews

## White Background



This preview shows how the Yxy color 69.0291, 0.3294, 0.3513 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 69.0291, 0.3294, 0.3513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

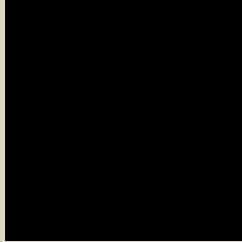
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

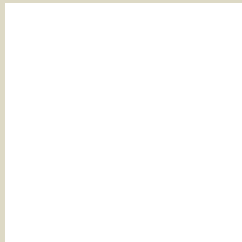
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.0291, 0.3294, 0.3513**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0291, 0.3294, 0.3513.



This preview shows how white text looks on a background with the Yxy color 69.0291, 0.3294, 0.3513.

# 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

69.0291, 0.3294, 0.3513

### Protanopia

69.1048, 0.3332, 0.3512

### Deuteranopia

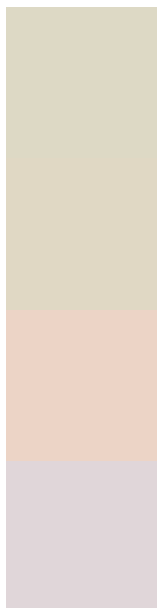
68.9575, 0.3469, 0.3397



## Tritanopia

68.9129, 0.3114, 0.3108

# Trichromacy



## Original Color

69.0291, 0.3294, 0.3513

## Protanomaly

68.9445, 0.3325, 0.3512

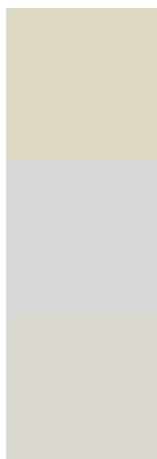
## Deuteranomaly

68.9971, 0.3408, 0.3442

## Tritanomaly

68.9502, 0.3180, 0.3257

# Monochromacy



## Original Color

69.0291, 0.3294, 0.3513

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.6206, 0.3189, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0291, 0.3294, 0.3513 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, 217, 197)` looks like.

```
.text, #text, p{  
    color:rgb(221, 217, 197)  
}
```

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, 217, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 217, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0291, 0.3294, 0.3513 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, 217, 197) }
```

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

```
.border{ border-color:rgb(221, 217, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 217, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 217, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 217, 197); box-shadow:4px 4px 4px 4px rgb(221, 217, 197) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0291, 0.3294, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 217, 197) }
```

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

```
.background{ background-color: rgb(221,  
217, 197) }
```

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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