

# Converting Colors

$Y_{xy}(70.0322, 0.3218, 0.3461)$

Have a look what the booklet for  
Yxy(70.0322, 0.3218, 0.3461)  
contains.

<b>Yxy(69.9281, 0.3221, 0.3457)</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(69.9281, 0.3221, 0.3457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADBCC
RGB	218, 219, 204
RGB Percent	85%, 86%, 80%
CMY	0.1449, 0.1412, 0.1999
CMYK	0.00, 0.00, 0.07, 0.14
HSL	64°, 17%, 83%
HSV	64°, 7%, 86%
XYZ	65.1543, 69.9281, 67.1973
YIQ	216.9910, 4.2190, -4.8770

# Conversions

## Conversions Part 2

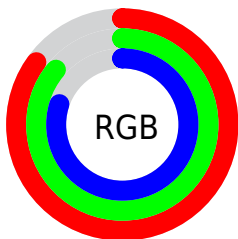
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 219, 205
Decimal	14343116
CIE Lab	86.96, -2.94, 7.24
CIE LCh	87, 7.814, 112.068
Yxy	69.9281, 0.3221, 0.3457
Android (android.graphics.Color)	4292533196 (0xFFDADBCC)
YUV	216.9910, -6.4046, 0.8849
Hunter-Lab	83.6230, -7.2633, 10.8922

# Details

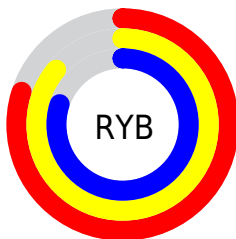
The Yxy color **69.9281, 0.3221, 0.3457** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.2798, 0.3030, 0.3118**, and the grayscale version is **69.4301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5395, 0.3241, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **68.7398, 0.3361, 0.3709**, and if you desaturate by 10%, it is **71.2721, 0.3085, 0.3215**.

# Distribution



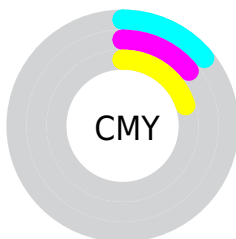
- Red (85%)
- Green (86%)
- Blue (80%)



- Red (80%)
- Yellow (86%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)



- Cyan (14%)
- Magenta (14%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9281, 0.3221, 0.3457 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 69.9281, 0.3221, 0.3457 by changing the saturation by 10% instead.



■ 69.9281, 0.3221,  
0.3457

■ 69.9281, 0.3221,  
0.3457

460.2975, 0.3177,  
0.3379

■ 51.4679, 0.3231,  
0.3475

119.1062, 0.3206,  
0.3430

■ 36.5811, 0.3243,  
0.3498

150.5929, 0.3200,  
0.3419

■ 24.8834, 0.3259,  
0.3527

187.1906, 0.3195,  
0.3410

■ 15.9902, 0.3280,  
0.3565

229.2837, 0.3191,  
0.3402

■ 9.5172, 0.3308,  
0.3618

277.2565, 0.3187,  
0.3395

■ 5.0800, 0.3348,  
0.3696

331.4935, 0.3183,

■ 2.2943, 0.3412,

0.3389

0.3822

392.3790, 0.3180,  
0.3384

0.7707, 0.3745,  
0.4368

0.0000, 0.0000,  
0.0000

69.9281, 0.3221,  
0.3457

69.9281, 0.3221,  
0.3457

68.7398, 0.3361,  
0.3709

71.2721, 0.3085,  
0.3215

67.6918, 0.3502,  
0.3964

72.7683, 0.2955,  
0.2986

66.7807, 0.3638,  
0.4215

73.4413, 0.2920,  
0.2915

65.9994, 0.3764,  
0.4452

73.6617, 0.2930,  
0.2916

65.3401, 0.3874,  
0.4665

73.8840, 0.2939,  
0.2917

64.7943, 0.3964,  
0.4844

74.1080, 0.2948,  
0.2918

64.3523, 0.4028,  
0.4983

74.3339, 0.2957,  
0.2919

64.0028, 0.4066,  
0.5077

74.5616, 0.2967,  
0.2920

63.7311, 0.4080,  
0.5129

74.7911, 0.2976,  
0.2921

# Harmonies

## Analogous

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



69.9281, 0.3290, 0.3436



69.9281, 0.3221, 0.3457



69.9281, 0.3127, 0.3431

# Triad

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



69.9281, 0.3221, 0.3457



69.9281, 0.2943, 0.3199



69.9281, 0.3219, 0.3216

# Complementary

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



69.9281, 0.3221, 0.3457



61.2798, 0.3030, 0.3118

# 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.



69.9281, 0.3125, 0.3154



69.9281, 0.3221, 0.3457



69.9281, 0.2966, 0.3144

# Square

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



69.9281, 0.3221, 0.3457



69.9281, 0.2968, 0.3280



69.9281, 0.3032, 0.3128



69.9281, 0.3289, 0.3297



# Rectangle

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



69.9281, 0.3221, 0.3457



69.9281, 0.3064, 0.3391



69.9281, 0.3032, 0.3128



69.9281, 0.3189, 0.3192

# Sweetspot

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



69.9311, 0.3221, 0.3457



99.6146, 0.3155, 0.3339



62.9679, 0.3242, 0.3299



21.3257, 0.3153, 0.3336



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.



69.9311, 0.3221, 0.3457



98.5106, 0.3238, 0.3488



68.8317, 0.3168, 0.3460



15.2197, 0.3257, 0.3522



37.7648, 0.4083, 0.5140



2.4596, 0.4102, 0.5125



# Inverse Universe

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



61.2798, 0.3030, 0.3118



84.2225, 0.3012, 0.3086



62.3404, 0.3084, 0.3121



12.6564, 0.2991, 0.3049



3.1037, 0.1521, 0.0612

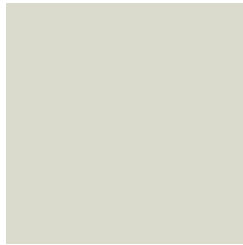


0.2152, 0.1584, 0.0646



# Previews

## White Background



This preview shows how the Yxy color 69.9281, 0.3221, 0.3457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

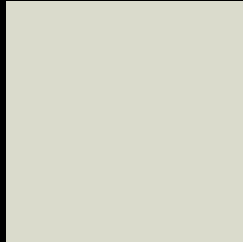
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9281, 0.3221, 0.3457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

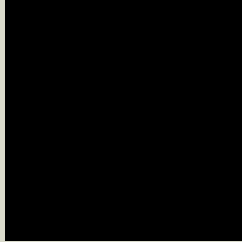
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

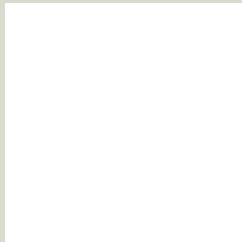
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9281, 0.3221, 0.3457**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9281, 0.3221, 0.3457.

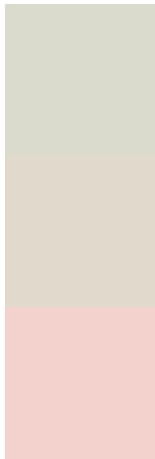


This preview shows how white text looks on a background with the Yxy color 69.9281, 0.3221, 0.3457.

# 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

69.9281, 0.3221, 0.3457

### Protanopia

69.9451, 0.3282, 0.3444

### Deuteranopia

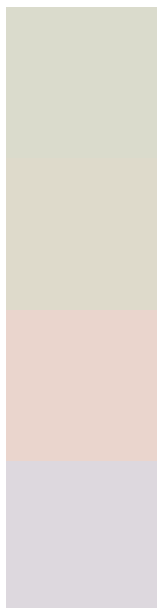
69.6041, 0.3407, 0.3333



## Tritanopia

69.9567, 0.3064, 0.3107

# Trichromacy



## Original Color

69.9281, 0.3221, 0.3457

## Protanomaly

69.9842, 0.3258, 0.3456

## Deuteranomaly

69.4887, 0.3341, 0.3377

## Tritanomaly

69.7578, 0.3123, 0.3225

# Monochromacy



## Original Color

69.9281, 0.3221, 0.3457

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.6480, 0.3160, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9281, 0.3221, 0.3457 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(218, 219, 204)` looks like.

```
.text, #text, p{  
    color:rgb(218, 219, 204)  
}
```

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(218, 219, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 219, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9281, 0.3221, 0.3457 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(218, 219, 204) }
```

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

```
.border{ border-color:rgb(218, 219, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 219, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 219, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 219, 204);  
box-shadow:4px 4px 4px 4px rgb(218, 219,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9281, 0.3221, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 219, 204) }
```

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

```
.background{ background-color: rgb(218,  
219, 204) }
```

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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