

# Converting Colors

$Yxy(70.0064, 0.3141, 0.3314)$

Have a look what the booklet for  
Yxy(70.0064, 0.3141, 0.3314)  
contains.

<b>Yxy(70.0061, 0.3141, 0.3312)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	23
<b>Color Blindness Simulation</b> .....	26
<b>CSS Examples</b> .....	29

# Color

**Yxy(70.0061, 0.3141, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADAD8
RGB	218, 218, 216
RGB Percent	85%, 85%, 85%
CMY	0.1449, 0.1451, 0.1530
CMYK	0.00, 0.00, 0.01, 0.14
HSL	58°, 3%, 85%
HSV	58°, 1%, 86%
XYZ	66.3917, 70.0061, 74.9733
YIQ	217.7720, 0.6420, -0.6220

# Conversions

## Conversions Part 2

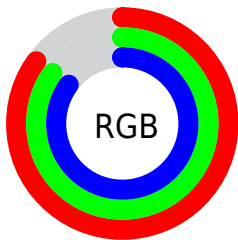
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 218, 216
Decimal	14342872
CIE Lab	87.00, -0.33, 0.98
CIE LCh	87, 1.031, 108.516
Yxy	70.0061, 0.3141, 0.3312
Android (android.graphics.Color)	4292532952 (0xFFDADAD8)
YUV	217.7720, -0.8736, 0.2000
Hunter-Lab	83.6696, -4.7826, 5.4411

# Details

The Yxy color **70.0061, 0.3141, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.8077, 0.3113, 0.3268**, and the grayscale version is **69.9584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5541, 0.3145, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **68.5655, 0.3291, 0.3550**, and if you desaturate by 10%, it is **71.6042, 0.2999, 0.3085**.

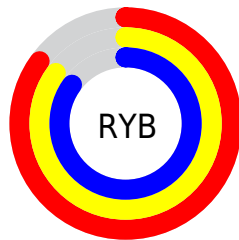
# Distribution



Red (85%)

Green (85%)

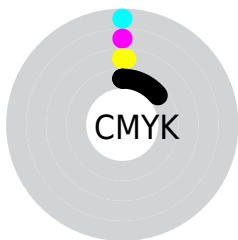
Blue (85%)



Red (85%)

Yellow (85%)

Blue (85%)

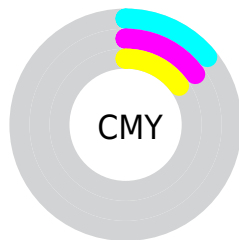


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (14%)



Cyan (14%)

Magenta (15%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0061, 0.3141, 0.3312 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 70.0061, 0.3141, 0.3312 by changing the saturation by 10% instead.



■ 70.0061, 0.3141,  
0.3312

■ 70.0061, 0.3141,  
0.3312

460.5714, 0.3135,  
0.3302

■ 51.5315, 0.3142,  
0.3314

119.2175, 0.3139,  
0.3308

■ 36.6318, 0.3144,  
0.3317

150.7230, 0.3138,  
0.3307

■ 24.9225, 0.3147,  
0.3321

187.3410, 0.3137,  
0.3306

■ 16.0193, 0.3150,  
0.3326

229.4558, 0.3137,  
0.3305

■ 9.5378, 0.3154,  
0.3333

277.4519, 0.3136,  
0.3304

■ 5.0936, 0.3160,  
0.3342

331.7136, 0.3135,

■ 2.3023, 0.3170,

0.3303

392.6253, 0.3135,  
0.3302

0.3358

0.7749, 0.3197,  
0.3400

0.0000, 0.0000,  
0.0000

70.0061, 0.3141,  
0.3312

70.0061, 0.3141,  
0.3312

68.5655, 0.3291,  
0.3550

71.6042, 0.2999,  
0.3085

67.2674, 0.3445,  
0.3793

73.0561, 0.2893,  
0.2918

66.1088, 0.3599,  
0.4035

73.4510, 0.2893,  
0.2926

65.0828, 0.3749,  
0.4268

73.8477, 0.2894,  
0.2934

64.1822, 0.3888,  
0.4481

74.2461, 0.2894,  
0.2942

63.3990, 0.4010,  
0.4666

74.6464, 0.2894,  
0.2950

62.7245, 0.4110,  
0.4813

75.0484, 0.2895,  
0.2958

62.1484, 0.4184,  
0.4918

75.4523, 0.2895,  
0.2966

61.6586, 0.4231,  
0.4978

75.8579, 0.2895,  
0.2974

# Harmonies

## Analogous

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



70.0061, 0.3149, 0.3309



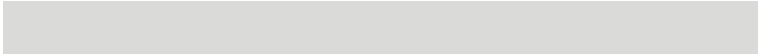
70.0061, 0.3141, 0.3312



70.0061, 0.3129, 0.3309

# Triad

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



70.0061, 0.3141, 0.3312



70.0061, 0.3103, 0.3280



70.0061, 0.3138, 0.3279

# Complementary

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



70.0061, 0.3141, 0.3312



68.8077, 0.3113, 0.3268

# Split Complementary

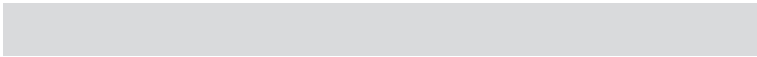
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0061, 0.3126, 0.3271



70.0061, 0.3141, 0.3312



70.0061, 0.3105, 0.3272

# Square

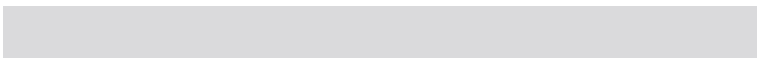
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0061, 0.3141, 0.3312



70.0061, 0.3107, 0.3290



70.0061, 0.3114, 0.3269



70.0061, 0.3148, 0.3290



# Rectangle

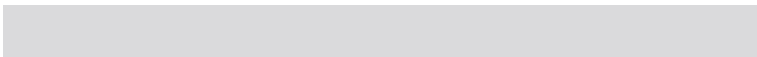
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0061, 0.3141, 0.3312



70.0061, 0.3120, 0.3304



70.0061, 0.3114, 0.3269



70.0061, 0.3134, 0.3276

# Sweetspot

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



70.0091, 0.3141, 0.3312

100.0000, 0.3127, 0.3290



68.9857, 0.3141, 0.3289



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0091, 0.3141, 0.3312



99.7807, 0.3142, 0.3313



69.9031, 0.3134, 0.3313



15.4555, 0.3141, 0.3312



36.7190, 0.4254, 0.5004



2.4035, 0.4244, 0.5013



# Inverse Universe

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



68.8077, 0.3113, 0.3268



97.9588, 0.3112, 0.3266



68.9132, 0.3120, 0.3267



15.1914, 0.3113, 0.3268



3.1626, 0.1507, 0.0623

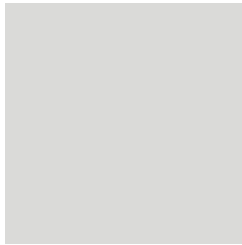


0.2309, 0.1526, 0.0693



# Previews

## White Background



This preview shows how the Yxy color 70.0061, 0.3141, 0.3312 looks on a white background.

## Color Contrast Check

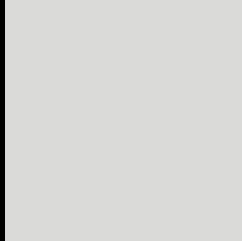
Large Text (above 18pt) WCAG AA × Fail

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 70.0061, 0.3141, 0.3312 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

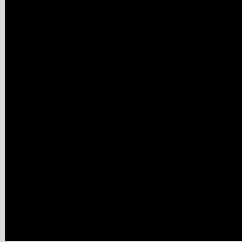
Any Text WCAG AAA ✓ Pass

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

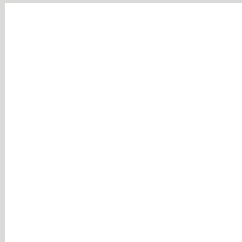


**Yxy 70.0061, 0.3141, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0061, 0.3141, 0.3312.

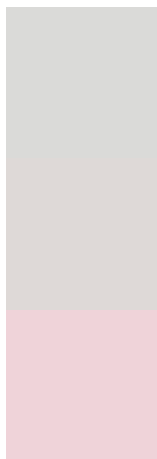


This preview shows how white text looks on a background with the Yxy color 70.0061, 0.3141, 0.3312.

# 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

70.0061, 0.3141, 0.3312

### Protanopia

70.0616, 0.3177, 0.3312

### Deuteranopia

69.9490, 0.3295, 0.3227



## Tritanopia

69.7992, 0.3057, 0.3107

# Trichromacy



## Original Color

70.0061, 0.3141, 0.3312

## Protanomaly

69.9042, 0.3170, 0.3312

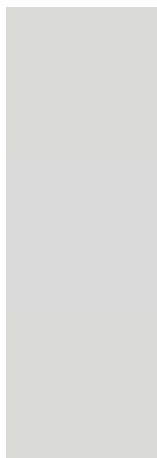
## Deuteranomaly

70.0918, 0.3232, 0.3258

## Tritanomaly

69.8184, 0.3089, 0.3181

# Monochromacy



## Original Color

70.0061, 0.3141, 0.3312

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.0580, 0.3134, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0061, 0.3141, 0.3312 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, 218, 216)` looks like.

```
.text, #text, p{  
    color:rgb(218, 218, 216)  
}
```

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, 218, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 218, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0061, 0.3141, 0.3312 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, 218, 216) }
```

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

```
.border{ border-color:rgb(218, 218, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 218, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 218, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 218, 216);  
box-shadow:4px 4px 4px 4px rgb(218, 218,  
216) }
```

# Background

The CSS property to change the background color of an element to Yxy 70.0061, 0.3141, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 218, 216) }
```

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

```
.background{ background-color: rgb(218,  
218, 216) }
```

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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