

# Converting Colors

Yxy(69.2064, 0.3098, 0.3260)

Have a look what the booklet for  
Yxy(69.2064, 0.3098, 0.3260)  
contains.

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# Color

**Yxy(69.2401, 0.3093, 0.3257)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7D9DC
RGB	215, 217, 220
RGB Percent	84%, 85%, 86%
CMY	0.1568, 0.1490, 0.1373
CMYK	0.02, 0.01, 0.00, 0.14
HSL	216°, 7%, 85%
HSV	216°, 2%, 86%
XYZ	65.7536, 69.2401, 77.5948
YIQ	216.7440, -2.1550, 0.5090

# Conversions

## Conversions Part 2

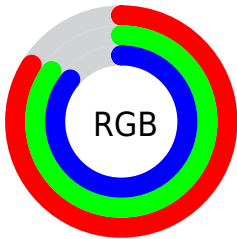
Format	Color
R <sub>Y</sub> B	215, 216, 220
Decimal	14146012
CIE Lab	86.62, -0.13, -1.71
CIE LCh	87, 1.713, 265.723
Yxy	69.2401, 0.3093, 0.3257
Android (android.graphics.Color)	4292336092 (0xFFD7D9DC)
YUV	216.7440, 1.6052, -1.5295
Hunter-Lab	83.2106, -4.5666, 2.9589

# Details

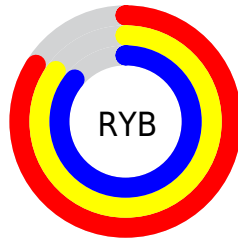
The Yxy color **69.2401, 0.3093, 0.3257** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.2501, 0.3162, 0.3323**, and the grayscale version is **69.1948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.0309, 0.3082, 0.3246** is the 20% darker color. If you saturate the color by 10%, you get **59.6251, 0.2936, 0.3100**, and if you desaturate by 10%, it is **79.8485, 0.3240, 0.3396**.

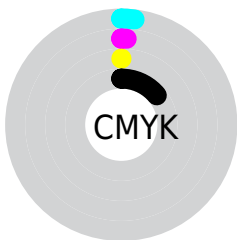
# Distribution



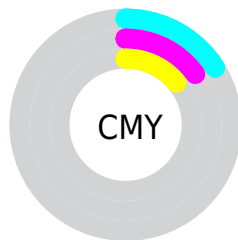
- Red (84%)
- Green (85%)
- Blue (86%)



- Red (84%)
- Yellow (85%)
- Blue (86%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (14%)



- Cyan (16%)
- Magenta (15%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2401, 0.3093, 0.3257 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 69.2401, 0.3093, 0.3257 by changing the saturation by 10% instead.



■ 69.2401, 0.3093,  
0.3257

■ 69.2401, 0.3093,  
0.3257

457.8773, 0.3109,  
0.3273

■ 50.9073, 0.3089,  
0.3253

118.1244, 0.3099,  
0.3262

■ 36.1348, 0.3085,  
0.3249

149.4448, 0.3101,  
0.3265

■ 24.5383, 0.3079,  
0.3243

185.8630, 0.3103,  
0.3266

■ 15.7334, 0.3071,  
0.3236

227.7636, 0.3104,  
0.3268

■ 9.3357, 0.3061,  
0.3225

275.5309, 0.3106,  
0.3269

■ 4.9608, 0.3045,  
0.3210

329.5494, 0.3107,

■ 2.2243, 0.3020,

0.3270

390.2034, 0.3108,  
0.3272

0.3186

0.7332, 0.2959,  
0.3127

0.0000, 0.0000,  
0.0000

69.2401, 0.3093,  
0.3257

69.2401, 0.3093,  
0.3257

59.6251, 0.2936,  
0.3100

79.8485, 0.3240,  
0.3396

50.9643, 0.2771,  
0.2925

90.7037, 0.3349,  
0.3520

43.2289, 0.2600,  
0.2732

97.9463, 0.3334,  
0.3631

36.3850, 0.2427,  
0.2522

■ 30.3964, 0.2258,  
0.2299

■ 25.2244, 0.2097,  
0.2067

■ 20.8264, 0.1953,  
0.1834

■ 17.1548, 0.1831,  
0.1608

■ 14.1551, 0.1737,  
0.1398

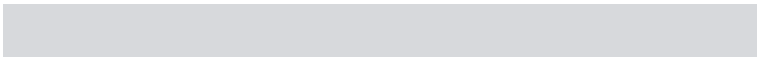
# Harmonies

## Analogous

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



69.2401, 0.3086, 0.3269



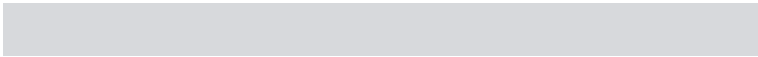
69.2401, 0.3093, 0.3257



69.2401, 0.3109, 0.3254

# Triad

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



69.2401, 0.3093, 0.3257



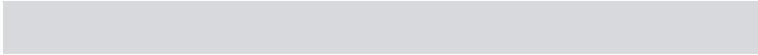
69.2401, 0.3164, 0.3294



69.2401, 0.3125, 0.3320

# Complementary

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



69.2401, 0.3093, 0.3257



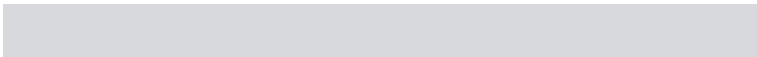
70.2501, 0.3162, 0.3323

# 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.



69.2401, 0.3146, 0.3326



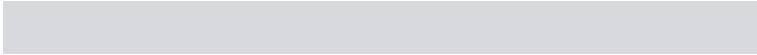
69.2401, 0.3093, 0.3257



69.2401, 0.3168, 0.3312

# Square

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



69.2401, 0.3093, 0.3257



69.2401, 0.3150, 0.3276



69.2401, 0.3162, 0.3323



69.2401, 0.3105, 0.3305



# Rectangle

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



69.2401, 0.3093, 0.3257



69.2401, 0.3122, 0.3258



69.2401, 0.3162, 0.3323



69.2401, 0.3132, 0.3323

# Sweetspot

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



69.2431, 0.3093, 0.3257



98.5513, 0.3112, 0.3275



70.6810, 0.3105, 0.3313



21.1093, 0.3113, 0.3276



0.0000, 0.0000, 0.0000

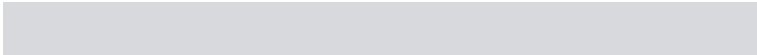


21.4041, 0.3127, 0.3290



# Same Dimension

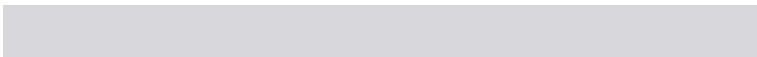
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2431, 0.3093, 0.3257



95.6961, 0.3081, 0.3246



68.2793, 0.3097, 0.3235



14.6590, 0.3070, 0.3235



7.3873, 0.1689, 0.1278



0.6446, 0.1779, 0.1603



# Inverse Universe

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



68.8253, 0.3150, 0.3268



94.9249, 0.3158, 0.3261



71.2308, 0.3157, 0.3345



14.5118, 0.3166, 0.3253



9.3695, 0.5357, 0.2725

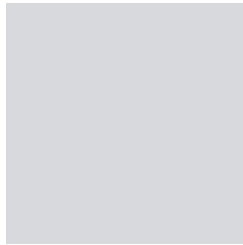


0.6238, 0.4927, 0.2488



# Previews

## White Background



This preview shows how the Yxy color 69.2401, 0.3093, 0.3257 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

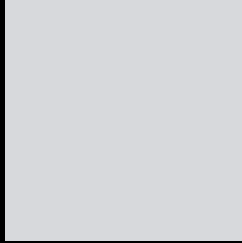
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2401, 0.3093, 0.3257 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

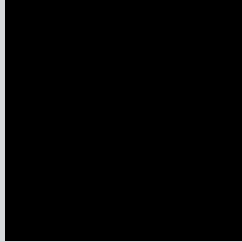
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

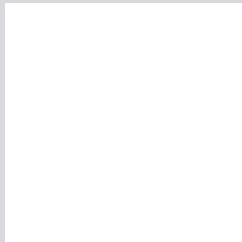
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.2401, 0.3093, 0.3257**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2401, 0.3093, 0.3257.

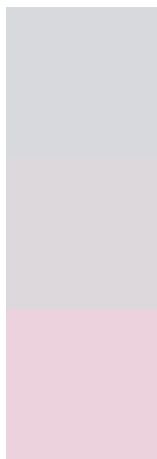


This preview shows how white text looks on a background with the Yxy color 69.2401, 0.3093, 0.3257.

# 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

69.2401, 0.3093, 0.3257

### Protanopia

69.4419, 0.3136, 0.3257

### Deuteranopia

68.9758, 0.3237, 0.3174



## Tritanopia

69.1788, 0.3029, 0.3105

# Trichromacy



## Original Color

69.2401, 0.3093, 0.3257

## Protanomaly

69.1316, 0.3121, 0.3257

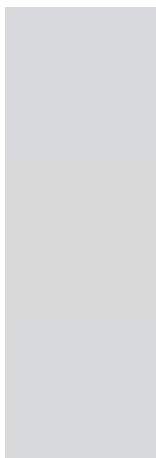
## Deuteranomaly

69.3029, 0.3183, 0.3204

## Tritanomaly

69.3121, 0.3048, 0.3159

# Monochromacy



## Original Color

69.2401, 0.3093, 0.3257

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.2866, 0.3113, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2401, 0.3093, 0.3257 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(215, 217, 220)` looks like.

```
.text, #text, p{  
    color:rgb(215, 217, 220)  
}
```

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(215, 217, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 217, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2401, 0.3093, 0.3257 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(215, 217, 220) }
```

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

```
.border{ border-color:rgb(215, 217, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 217, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 217, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 217, 220);  
box-shadow:4px 4px 4px 4px rgb(215, 217,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2401, 0.3093, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 217, 220) }
```

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

```
.background{ background-color: rgb(215,  
217, 220) }
```

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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