

Converting Colors

Yxy(69.7612, 0.3086, 0.3247)

Have a look what the booklet for
Yxy(69.7612, 0.3086, 0.3247)
contains.

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Color

Yxy(70.0157, 0.3086, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	D8DADE
RGB	216, 218, 222
RGB Percent	85%, 85%, 87%
CMY	0.1531, 0.1450, 0.1294
CMYK	0.03, 0.02, 0.00, 0.13
HSL	220°, 8%, 86%
HSV	220°, 3%, 87%
XYZ	66.5645, 70.0157, 79.1182
YIQ	217.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

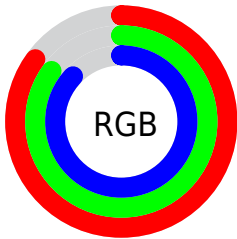
Format	Color
R _Y B	216, 218, 222
Decimal	14211806
CIE Lab	87.00, 0.04, -2.21
CIE LCh	87, 2.211, 270.962
Yxy	70.0157, 0.3086, 0.3246
Android (android.graphics.Color)	4292401886 (0xFFD8DADE)
YUV	217.8580, 2.0420, -1.6295
Hunter-Lab	83.6754, -4.4336, 2.5119

Details

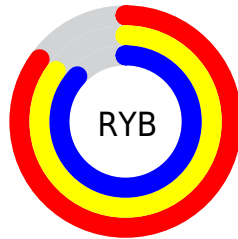
The Yxy color `70.0157, 0.3086, 0.3246` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `71.6403, 0.3168, 0.3334`, and the grayscale version is `69.9924, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.5615, 0.3074, 0.3232` is the 20% darker color. If you saturate the color by 10%, you get `59.6134, 0.2928, 0.3072`, and if you desaturate by 10%, it is `81.5493, 0.3233, 0.3400`.

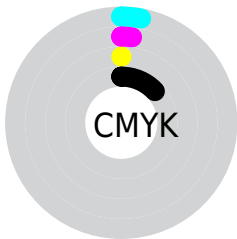
Distribution



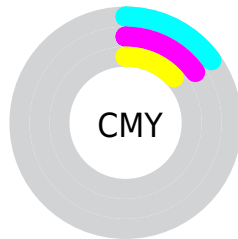
- Red (85%)
- Green (85%)
- Blue (87%)



- Red (85%)
- Yellow (85%)
- Blue (87%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0157, 0.3086, 0.3246 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 70.0157, 0.3086, 0.3246 by changing the saturation by 10% instead.

■ 70.0157, 0.3086,
0.3246

■ 70.0157, 0.3086,
0.3246

460.6051, 0.3105,
0.3267

■ 51.5393, 0.3082,
0.3241

119.2311, 0.3093,
0.3253

■ 36.6380, 0.3076,
0.3235

150.7390, 0.3095,
0.3256

■ 24.9273, 0.3069,
0.3228

187.3595, 0.3098,
0.3258

■ 16.0229, 0.3060,
0.3218

229.4770, 0.3099,
0.3260

■ 9.5404, 0.3047,
0.3204

277.4759, 0.3101,
0.3262

■ 5.0953, 0.3029,
0.3184

331.7407, 0.3103,

■ 2.3033, 0.2999,

0.3264

0.3153

392.6556, 0.3104,
0.3265

0.7754, 0.2937,
0.3086

0.0000, 0.0000,
0.0000

70.0157, 0.3086,
0.3246

70.0157, 0.3086,
0.3246

59.6134, 0.2928,
0.3072

81.5493, 0.3233,
0.3400

50.2980, 0.2760,
0.2877

93.2099, 0.3331,
0.3538

42.0352, 0.2584,
0.2662

98.0544, 0.3321,
0.3611

34.7856, 0.2405,
0.2428

■ 28.5068, 0.2228,
0.2181

■ 23.1534, 0.2060,
0.1926

■ 18.6757, 0.1909,
0.1674

■ 15.0183, 0.1782,
0.1434

■ 12.1177, 0.1686,
0.1218

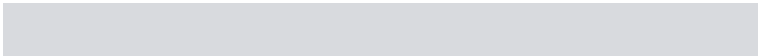
Harmonies

Analogous

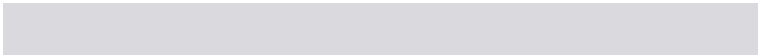
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0157, 0.3075, 0.3259



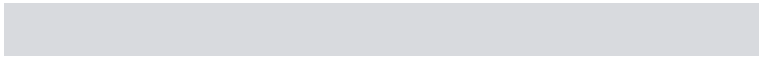
70.0157, 0.3086, 0.3246



70.0157, 0.3108, 0.3245

Triad

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



70.0157, 0.3086, 0.3246



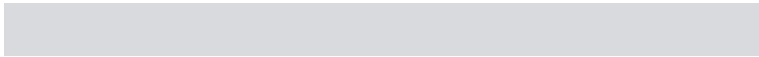
70.0157, 0.3176, 0.3300



70.0157, 0.3119, 0.3325

Complementary

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



70.0157, 0.3086, 0.3246



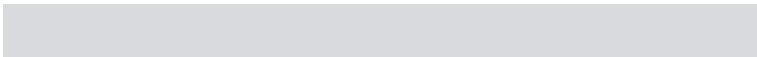
71.6403, 0.3168, 0.3334

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.



70.0157, 0.3147, 0.3336



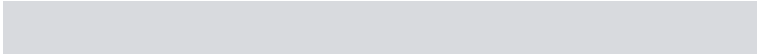
70.0157, 0.3086, 0.3246



70.0157, 0.3180, 0.3321

Square

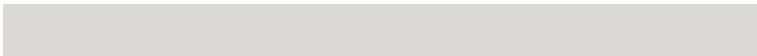
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0157, 0.3086, 0.3246



70.0157, 0.3160, 0.3276



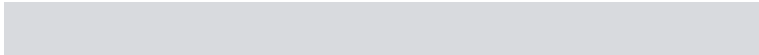
70.0157, 0.3169, 0.3335



70.0157, 0.3094, 0.3305

Rectangle

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



70.0157, 0.3086, 0.3246



70.0157, 0.3126, 0.3251



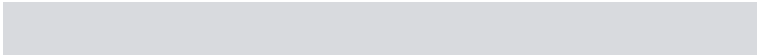
70.0157, 0.3169, 0.3335



70.0157, 0.3129, 0.3330

Sweetspot

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



70.0187, 0.3086, 0.3246



98.4531, 0.3112, 0.3274



71.9997, 0.3098, 0.3313



21.0893, 0.3113, 0.3275



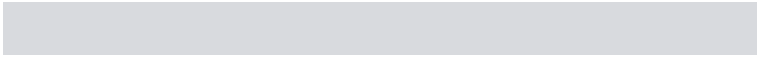
0.0000, 0.0000, 0.0000



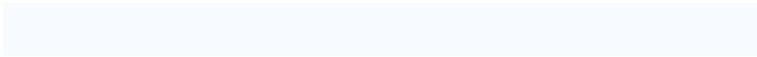
21.4041, 0.3127, 0.3290

Same Dimension

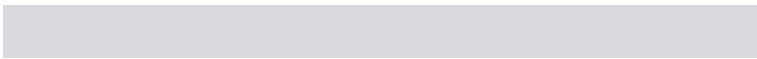
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0187, 0.3086, 0.3246



95.4065, 0.3082, 0.3241



69.0904, 0.3093, 0.3223



15.3341, 0.3070, 0.3229



6.3762, 0.1641, 0.1107



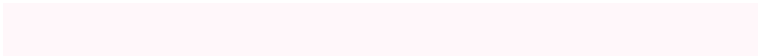
0.6043, 0.1727, 0.1417

Inverse Universe

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



69.6799, 0.3157, 0.3268



94.8956, 0.3161, 0.3265



72.5901, 0.3161, 0.3356



15.2318, 0.3169, 0.3259



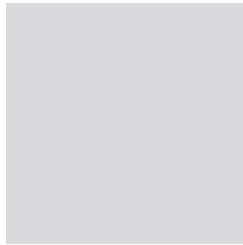
9.5517, 0.5600, 0.2859



0.6785, 0.5168, 0.2621

Previews

White Background



This preview shows how the Yxy color 70.0157, 0.3086, 0.3246 looks on a white background.

Color Contrast Check

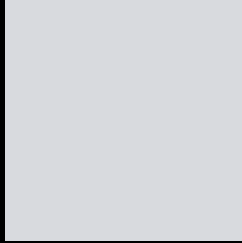
Large Text (above 18pt) WCAG AA × Fail

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 70.0157, 0.3086, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

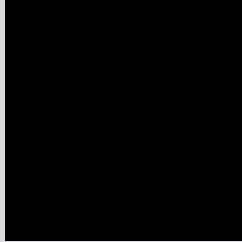
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

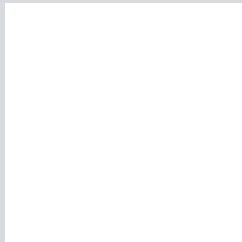
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0157, 0.3086, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 70.0157, 0.3086, 0.3246.

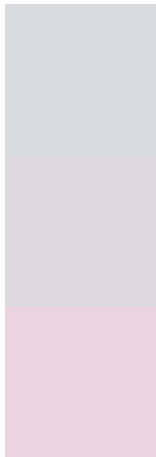


This preview shows how white text looks on a background with the Yxy color 70.0157, 0.3086, 0.3246.

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

70.0157, 0.3086, 0.3246

Protanopia

70.2183, 0.3129, 0.3246

Deuteranopia

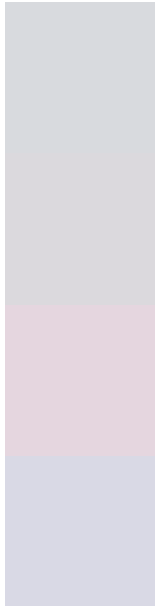
69.7491, 0.3230, 0.3164



Tritanopia

69.9004, 0.3029, 0.3106

Trichromacy



Original Color

70.0157, 0.3086, 0.3246

Protanomaly

69.9062, 0.3115, 0.3246

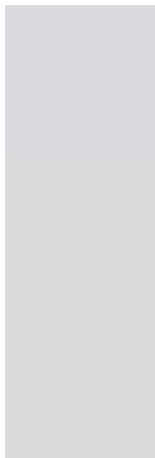
Deuteranomaly

70.0789, 0.3176, 0.3194

Tritanomaly

70.0346, 0.3048, 0.3159

Monochromacy



Original Color

70.0157, 0.3086, 0.3246

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.0090, 0.3113, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0157, 0.3086, 0.3246 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(216, 218, 222)` looks like.

```
.text, #text, p{  
    color:rgb(216, 218, 222)  
}
```

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(216, 218, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 218, 222) }
```

Border

The CSS property to change the border of an element to Yxy 70.0157, 0.3086, 0.3246 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(216, 218, 222) }
```

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

```
.border{ border-color:rgb(216, 218, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 218, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 218, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 218, 222);  
box-shadow:4px 4px 4px 4px rgb(216, 218,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0157, 0.3086, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 218, 222) }
```

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

```
.background{ background-color: rgb(216,  
218, 222) }
```

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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