

Converting Colors

$Y_{xy}(70.0274, 0.3081, 0.3190)$

Have a look what the booklet for
Yxy(70.0274, 0.3081, 0.3190)
contains.

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Color

Yxy(70.1768, 0.3082, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	DBD9E2
RGB	219, 217, 226
RGB Percent	86%, 85%, 89%
CMY	0.1411, 0.1490, 0.1138
CMYK	0.03, 0.04, 0.00, 0.11
HSL	254°, 13%, 87%
HSV	254°, 4%, 89%
XYZ	67.7584, 70.1768, 81.9169
YIQ	218.6240, -1.6970, 3.2230

Conversions

Conversions Part 2

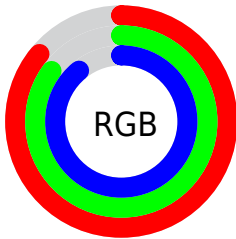
Format	Color
R _Y B	219, 217, 226
Decimal	14408162
CIE Lab	87.08, 2.34, -4.17
CIE LCh	87, 4.780, 299.252
Yxy	70.1768, 0.3082, 0.3192
Android (android.graphics.Color)	4292598242 (0xFFD9E2)
YUV	218.6240, 3.6364, 0.3298
Hunter-Lab	83.7716, -2.2210, 0.6628

Details

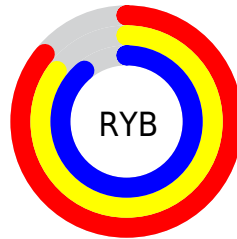
The Yxy color **70.1768, 0.3082, 0.3192** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.2373, 0.3171, 0.3387**, and the grayscale version is **70.5435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6734, 0.3068, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **56.7435, 0.2956, 0.2926**, and if you desaturate by 10%, it is **85.4966, 0.3190, 0.3430**.

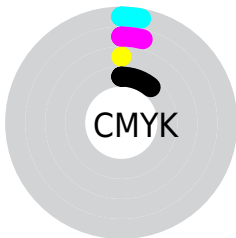
Distribution



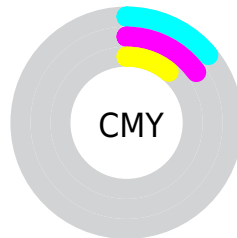
- Red (86%)
- Green (85%)
- Blue (89%)



- Red (86%)
- Yellow (85%)
- Blue (89%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (14%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1768, 0.3082, 0.3192 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 70.1768, 0.3082, 0.3192 by changing the saturation by 10% instead.

■ 70.1768, 0.3082,
0.3192

■ 70.1768, 0.3082,
0.3192

461.1705, 0.3103,
0.3238

■ 51.6707, 0.3077,
0.3182

119.4608, 0.3089,
0.3208

■ 36.7426, 0.3071,
0.3169

151.0076, 0.3092,
0.3214

■ 25.0083, 0.3063,
0.3152

187.6700, 0.3095,
0.3219

■ 16.0832, 0.3053,
0.3131

229.8324, 0.3097,
0.3224

■ 9.5831, 0.3039,
0.3101

277.8793, 0.3099,
0.3228

■ 5.1234, 0.3018,
0.3059

332.1950, 0.3100,

■ 2.3199, 0.2985,

0.3231

0.2991

393.1639, 0.3102,
0.3235

0.7842, 0.2925,
0.2858

0.0000, 0.0000,
0.0000

70.1768, 0.3082,
0.3192

70.1768, 0.3082,
0.3192

56.7435, 0.2956,
0.2926

85.4966, 0.3190,
0.3430

45.1144, 0.2812,
0.2631

98.0851, 0.3291,
0.3572

35.2147, 0.2651,
0.2314

98.2704, 0.3298,
0.3572

26.9604, 0.2475,
0.1982

■ 20.2610, 0.2291,
0.1651

■ 15.0165, 0.2106,
0.1338

■ 11.1155, 0.1933,
0.1066

■ 8.4295, 0.1783,
0.0854

■ 6.8041, 0.1666,
0.0716

Harmonies

Analogous

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



70.1768, 0.3036, 0.3196



70.1768, 0.3082, 0.3192



70.1768, 0.3140, 0.3214

Triad

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



70.1768, 0.3082, 0.3192



70.1768, 0.3241, 0.3354



70.1768, 0.3059, 0.3325

Complementary

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



70.1768, 0.3082, 0.3192



75.2373, 0.3171, 0.3387

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.



70.1768, 0.3113, 0.3368



70.1768, 0.3082, 0.3192



70.1768, 0.3219, 0.3385

Square

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



70.1768, 0.3082, 0.3192



70.1768, 0.3232, 0.3307



70.1768, 0.3172, 0.3390



70.1768, 0.3023, 0.3272

Rectangle

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



70.1768, 0.3082, 0.3192



70.1768, 0.3178, 0.3240



70.1768, 0.3172, 0.3390



70.1768, 0.3076, 0.3341

Sweetspot

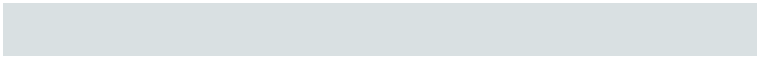
The Sweet Spot groups the original color and five complimentary colors.



70.1798, 0.3082, 0.3192



98.0113, 0.3116, 0.3266



73.5753, 0.3066, 0.3269



20.9994, 0.3117, 0.3267



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.



70.1798, 0.3082, 0.3192



90.3089, 0.3070, 0.3165



70.8736, 0.3113, 0.3193



14.4981, 0.3062, 0.3149



3.5783, 0.1624, 0.0668



0.2879, 0.1774, 0.0751

Inverse Universe

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



71.1715, 0.3145, 0.3215



91.9491, 0.3150, 0.3195



74.5414, 0.3140, 0.3388



14.7973, 0.3153, 0.3183



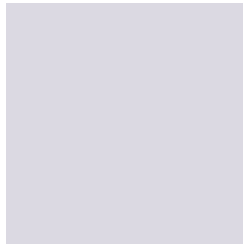
11.0081, 0.3875, 0.1908



0.7762, 0.3752, 0.1840

Previews

White Background



This preview shows how the Yxy color 70.1768, 0.3082, 0.3192 looks on a white background.

Color Contrast Check

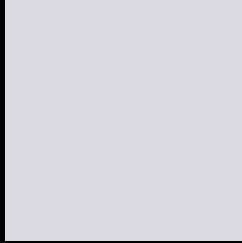
Large Text (above 18pt) WCAG AA × Fail

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 70.1768, 0.3082, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

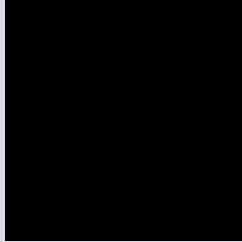
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

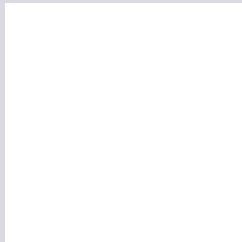
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1768, 0.3082, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 70.1768, 0.3082, 0.3192.

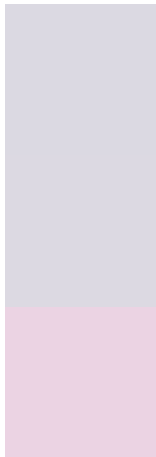


This preview shows how white text looks on a background with the Yxy color 70.1768, 0.3082, 0.3192.

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

70.1768, 0.3082, 0.3192

Protanopia

70.3323, 0.3089, 0.3192

Deuteranopia

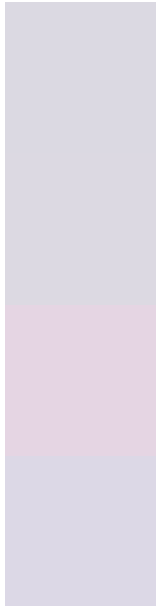
69.7968, 0.3194, 0.3122



Tritanopia

70.2106, 0.3043, 0.3107

Trichromacy



Original Color

70.1768, 0.3082, 0.3192

Protanomaly

70.3323, 0.3089, 0.3192

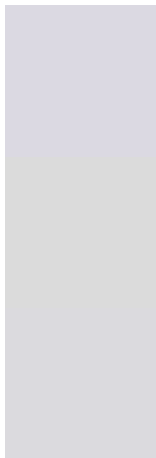
Deuteranomaly

69.7926, 0.3149, 0.3141

Tritanomaly

70.0405, 0.3063, 0.3138

Monochromacy



Original Color

70.1768, 0.3082, 0.3192

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.4768, 0.3108, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1768, 0.3082, 0.3192 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(219, 217, 226)` looks like.

```
.text, #text, p{  
    color:rgb(219, 217, 226)  
}
```

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(219, 217, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 217, 226) }
```

Border

The CSS property to change the border of an element to Yxy 70.1768, 0.3082, 0.3192 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(219, 217, 226) }
```

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

```
.border{ border-color:rgb(219, 217, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 217, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 217, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 217, 226);  
box-shadow:4px 4px 4px 4px rgb(219, 217,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1768, 0.3082, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 217, 226) }
```

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

```
.background{ background-color: rgb(219,  
217, 226) }
```

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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