

Converting Colors

$Y_{xy}(70.6930, 0.3129, 0.3265)$

Have a look what the booklet for
Yxy(70.6930, 0.3129, 0.3265)
contains.

Yxy(70.6823, 0.3135, 0.3268)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(70.6823, 0.3135, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	DDDADC
RGB	221, 218, 220
RGB Percent	87%, 85%, 86%
CMY	0.1334, 0.1451, 0.1371
CMYK	0.00, 0.01, 0.00, 0.13
HSL	319°, 4%, 86%
HSV	319°, 1%, 87%
XYZ	67.8057, 70.6823, 77.7981
YIQ	219.1250, 1.1460, 1.2580

Conversions

Conversions Part 2

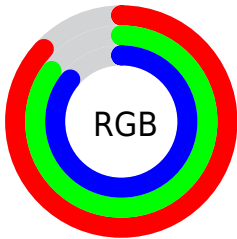
Format	Color
R _Y B	221, 218, 220
Decimal	14539484
CIE Lab	87.33, 1.38, -0.64
CIE LCh	87, 1.518, 334.922
Yxy	70.6823, 0.3135, 0.3268
Android (android.graphics.Color)	4292729564 (0xFFDDDADC)
YUV	219.1250, 0.4314, 1.6444
Hunter-Lab	84.0728, -3.1649, 3.9860

Details

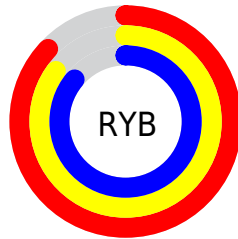
The Yxy color **70.6823, 0.3135, 0.3268** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7198, 0.3119, 0.3312**, and the grayscale version is **70.9267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0180, 0.3138, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **59.6112, 0.3199, 0.3099**, and if you desaturate by 10%, it is **83.3032, 0.3081, 0.3427**.

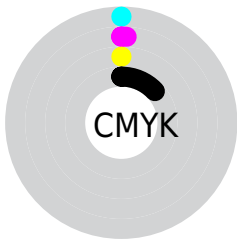
Distribution



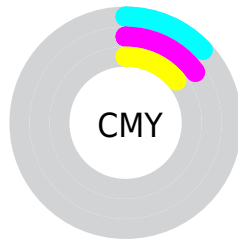
- Red (87%)
- Green (85%)
- Blue (86%)



- Red (87%)
- Yellow (85%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6823, 0.3135, 0.3268 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 70.6823, 0.3135, 0.3268 by changing the saturation by 10% instead.

■ 70.6823, 0.3135,
0.3268

■ 70.6823, 0.3135,
0.3268

462.9421, 0.3131,
0.3278

■ 52.0830, 0.3136,
0.3266

120.1812, 0.3134,
0.3272

■ 37.0712, 0.3137,
0.3263

151.8497, 0.3133,
0.3273

■ 25.2626, 0.3138,
0.3259

188.6432, 0.3133,
0.3274

■ 16.2728, 0.3140,
0.3254

230.9463, 0.3132,
0.3275

■ 9.7174, 0.3142,
0.3247

279.1434, 0.3132,
0.3276

■ 5.2120, 0.3146,
0.3237

333.6187, 0.3132,

■ 2.3722, 0.3151,

0.3277

394.7568, 0.3132,
0.3278

0.3222

0.8115, 0.3163,
0.3189

0.0000, 0.0000,
0.0000

70.6823, 0.3135,
0.3268

70.6823, 0.3135,
0.3268

59.6112, 0.3199,
0.3099

83.3032, 0.3081,
0.3427

50.0206, 0.3275,
0.2924

92.8378, 0.3037,
0.3504

41.8493, 0.3364,
0.2745

93.2523, 0.2998,
0.3431

35.0286, 0.3466,
0.2570

93.6832, 0.2959,
0.3358

■ 29.4837, 0.3581,
0.2408

■ 94.1085, 0.2923,
0.3289

■ 25.1328, 0.3707,
0.2267

■ 21.8844, 0.3842,
0.2160

■ 19.6335, 0.3981,
0.2097

■ 18.2547, 0.4118,
0.2083

Harmonies

Analogous

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



70.6823, 0.3116, 0.3260



70.6823, 0.3135, 0.3268



70.6823, 0.3152, 0.3282

Triad

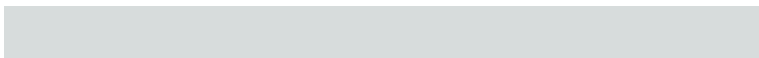
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6823, 0.3135, 0.3268



70.6823, 0.3154, 0.3321



70.6823, 0.3093, 0.3282

Complementary

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



70.6823, 0.3135, 0.3268



71.7198, 0.3119, 0.3312

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.



70.6823, 0.3103, 0.3298



70.6823, 0.3135, 0.3268



70.6823, 0.3138, 0.3321

Square

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



70.6823, 0.3135, 0.3268



70.6823, 0.3163, 0.3313



70.6823, 0.3119, 0.3313



70.6823, 0.3092, 0.3267

Rectangle

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



70.6823, 0.3135, 0.3268



70.6823, 0.3159, 0.3293



70.6823, 0.3119, 0.3313



70.6823, 0.3095, 0.3287

Sweetspot

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



70.6853, 0.3135, 0.3268

100.0000, 0.3127, 0.3290



70.4195, 0.3114, 0.3258



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.



70.6853, 0.3135, 0.3268



96.6845, 0.3139, 0.3257



70.6075, 0.3145, 0.3284



15.0066, 0.3138, 0.3259



10.2374, 0.4215, 0.2096



0.6787, 0.4011, 0.1983

Inverse Universe

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



70.6853, 0.3135, 0.3268



96.6845, 0.3139, 0.3257



71.7977, 0.3110, 0.3296



15.0066, 0.3138, 0.3259



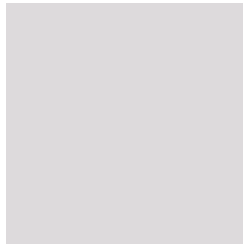
10.2374, 0.4215, 0.2096



0.6787, 0.4011, 0.1983

Previews

White Background



This preview shows how the Yxy color 70.6823, 0.3135, 0.3268 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 70.6823, 0.3135, 0.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

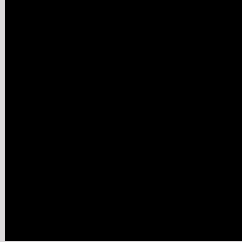
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

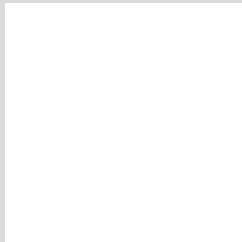
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6823, 0.3135, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 70.6823, 0.3135, 0.3268.

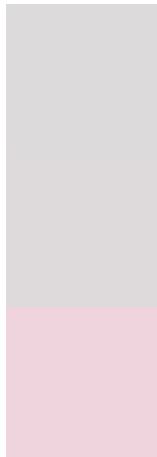


This preview shows how white text looks on a background with the Yxy color 70.6823, 0.3135, 0.3268.

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

70.6823, 0.3135, 0.3268

Protanopia

70.8397, 0.3143, 0.3268

Deuteranopia

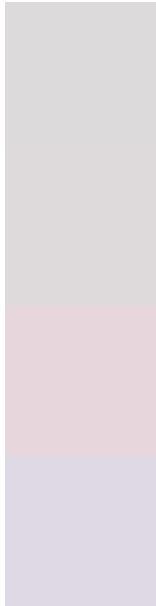
70.6581, 0.3265, 0.3196



Tritanopia

70.6829, 0.3064, 0.3108

Trichromacy



Original Color

70.6823, 0.3135, 0.3268

Protanomaly

70.8397, 0.3143, 0.3268

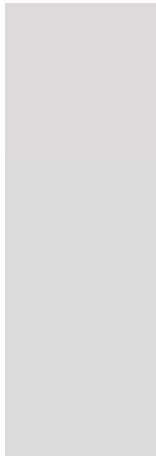
Deuteranomaly

70.4694, 0.3211, 0.3216

Tritanomaly

70.7567, 0.3090, 0.3171

Monochromacy



Original Color

70.6823, 0.3135, 0.3268

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.9932, 0.3134, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6823, 0.3135, 0.3268 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(221, 218, 220)` looks like.

```
.text, #text, p{  
    color:rgb(221, 218, 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(221, 218, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 218, 220) }
```

Border

The CSS property to change the border of an element to Yxy 70.6823, 0.3135, 0.3268 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(221, 218, 220) }
```

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

```
.border{ border-color:rgb(221, 218, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 218, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 218, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 218, 220);  
box-shadow:4px 4px 4px 4px rgb(221, 218,  
220) }
```

Background

The CSS property to change the background color of an element to Yxy 70.6823, 0.3135, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 218, 220) }
```

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

```
.background{ background-color: rgb(221,  
218, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor