

Converting Colors

$Y_{xy}(70.6550, 0.3129, 0.3313)$

Have a look what the booklet for
Yxy(70.6550, 0.3129, 0.3313)
contains.

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Color

Yxy(70.5782, 0.3133, 0.3312)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | DADBD9 |
| RGB | 218, 219, 217 |
| RGB Percent | 85%, 86%, 85% |
| CMY | 0.1452, 0.1411, 0.1490 |
| CMYK | 0.00, 0.00, 0.01, 0.14 |
| HSL | 91°, 3%, 85% |
| HSV | 91°, 1%, 86% |
| XYZ | 66.7637, 70.5782, 75.7565 |
| YIQ | 218.4730, 0.0460, -0.8340 |

Conversions

Conversions Part 2

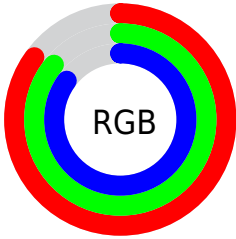
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 217, 219, 218 |
| Decimal | 14343129 |
| CIE Lab | 87.28, -0.71, 0.85 |
| CIE LCh | 87, 1.103, 129.824 |
| Yxy | 70.5782, 0.3133, 0.3312 |
| Android (android.graphics.Color) | 4292533209 (0xFFDADB D9) |
| YUV | 218.4730, -0.7262, -0.4148 |
| Hunter-Lab | 84.0108, -5.1643, 5.3430 |

Details

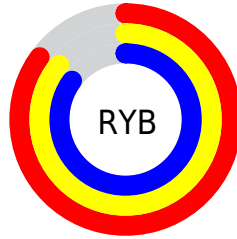
The Yxy color **70.5782, 0.3133, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.6603, 0.3121, 0.3268**, and the grayscale version is **70.4591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.9461, 0.3135, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **67.8194, 0.3197, 0.3565**, and if you desaturate by 10%, it is **73.6151, 0.3070, 0.3082**.

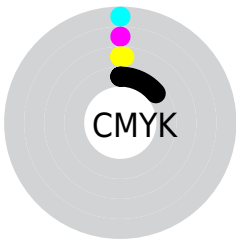
Distribution



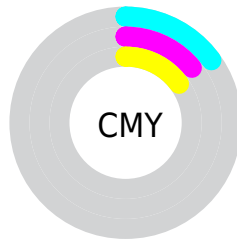
- Red (85%)
- Green (86%)
- Blue (85%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5782, 0.3133, 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 70.5782, 0.3133, 0.3312 by changing the saturation by 10% instead.

■ 70.5782, 0.3133,
0.3312

■ 70.5782, 0.3133,
0.3312

462.5776, 0.3130,
0.3302

■ 51.9981, 0.3134,
0.3314

120.0329, 0.3132,
0.3308

■ 37.0035, 0.3134,
0.3317

151.6763, 0.3132,
0.3307

■ 25.2102, 0.3135,
0.3321

188.4429, 0.3131,
0.3306

■ 16.2337, 0.3137,
0.3326

230.7171, 0.3131,
0.3305

■ 9.6897, 0.3138,
0.3333

278.8832, 0.3131,
0.3304

■ 5.1937, 0.3141,
0.3342

333.3258, 0.3131,

■ 2.3614, 0.3145,

0.3303

394.4291, 0.3131,
0.3302

0.3358

0.8059, 0.3155,
0.3396

0.0000, 0.0000,
0.0000

70.5782, 0.3133,
0.3312

70.5782, 0.3133,
0.3312

67.8194, 0.3197,
0.3565

73.6151, 0.3070,
0.3082

65.3212, 0.3260,
0.3840

76.5489, 0.3045,
0.2929

63.0780, 0.3319,
0.4132

78.6148, 0.3124,
0.2938

61.0804, 0.3370,
0.4434

79.1498, 0.3144,
0.2940

■ 59.3185, 0.3409,
0.4735

■ 57.7814, 0.3433,
0.5021

■ 56.4572, 0.3436,
0.5277

■ 55.3329, 0.3419,
0.5487

■ 54.3928, 0.3380,
0.5641

Harmonies

Analogous

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



70.5782, 0.3145, 0.3313



70.5782, 0.3133, 0.3312



70.5782, 0.3119, 0.3305

Triad

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



70.5782, 0.3133, 0.3312



70.5782, 0.3102, 0.3272



70.5782, 0.3147, 0.3286

Complementary

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



70.5782, 0.3133, 0.3312



69.6603, 0.3121, 0.3268

Split Complementary

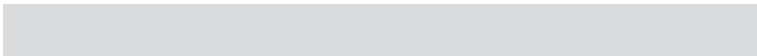
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.5782, 0.3135, 0.3276



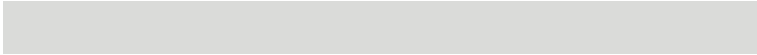
70.5782, 0.3133, 0.3312



70.5782, 0.3109, 0.3267

Square

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



70.5782, 0.3133, 0.3312



70.5782, 0.3102, 0.3282



70.5782, 0.3121, 0.3269



70.5782, 0.3153, 0.3298

Rectangle

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



70.5782, 0.3133, 0.3312



70.5782, 0.3111, 0.3298



70.5782, 0.3121, 0.3269



70.5782, 0.3143, 0.3283

Sweetspot

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



70.5812, 0.3133, 0.3312

100.0000, 0.3127, 0.3290



70.2389, 0.3141, 0.3301



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.



70.5812, 0.3133, 0.3312



99.5861, 0.3134, 0.3314



70.4354, 0.3126, 0.3312



15.4273, 0.3133, 0.3313



31.8879, 0.3342, 0.5728



2.1170, 0.3468, 0.5628

Inverse Universe

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



69.6603, 0.3121, 0.3268



98.1525, 0.3121, 0.3266



69.8071, 0.3128, 0.3268



15.2195, 0.3121, 0.3267



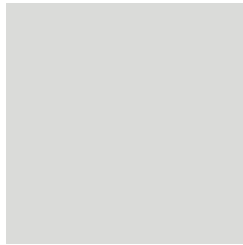
5.2174, 0.2068, 0.0913



0.3892, 0.2242, 0.1009

Previews

White Background



This preview shows how the Yxy color 70.5782, 0.3133, 0.3312 looks on a white background.

Color Contrast Check

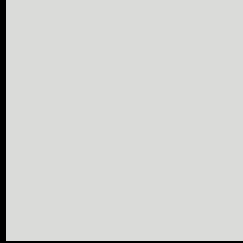
Large Text (above 18pt) WCAG AA × Fail

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 70.5782, 0.3133, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

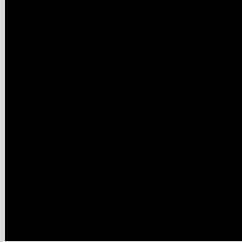
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

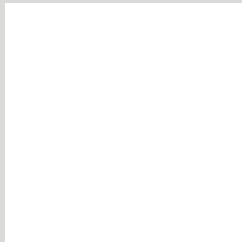
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.5782, 0.3133, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 70.5782, 0.3133, 0.3312.

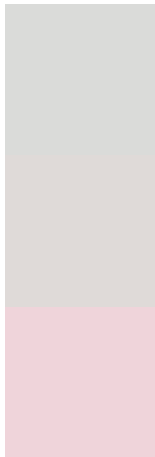


This preview shows how white text looks on a background with the Yxy color 70.5782, 0.3133, 0.3312.

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

70.5782, 0.3133, 0.3312

Protanopia

70.7887, 0.3177, 0.3312

Deuteranopia

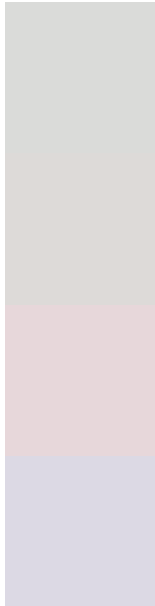
70.4996, 0.3287, 0.3227



Tritanopia

70.4244, 0.3044, 0.3096

Trichromacy



Original Color

70.5782, 0.3133, 0.3312

Protanomaly

70.4728, 0.3162, 0.3312

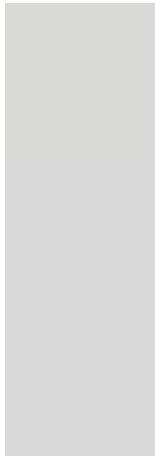
Deuteranomaly

70.6518, 0.3224, 0.3258

Tritanomaly

70.4428, 0.3076, 0.3171

Monochromacy



Original Color

70.5782, 0.3133, 0.3312

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.1102, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5782, 0.3133, 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, 219, 217) looks like.

```
.text, #text, p{  
    color:rgb(218, 219, 217)  
}
```

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, 219, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 219, 217) }
```

Border

The CSS property to change the border of an element to Yxy 70.5782, 0.3133, 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, 219, 217) }
```

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

```
.border{ border-color:rgb(218, 219, 217) }
```

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

Here you see how a box with a 4 pixel rgb(218, 219, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 219, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 219, 217);  
box-shadow:4px 4px 4px 4px rgb(218, 219,  
217) }
```

Background

The CSS property to change the background color of an element to Yxy 70.5782, 0.3133, 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, 219, 217) }
```

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

```
.background{ background-color: rgb(218,  
219, 217) }
```

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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