

Converting Colors

Yxy(66.7884, 0.3123, 0.3311)

Have a look what the booklet for
Yxy(66.7884, 0.3123, 0.3311)
contains.

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Color

Yxy(66.8436, 0.3126, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	D4D6D4
RGB	212, 214, 212
RGB Percent	83%, 84%, 83%
CMY	0.1688, 0.1607, 0.1687
CMYK	0.01, 0.00, 0.01, 0.16
HSL	120°, 2%, 84%
HSV	120°, 1%, 84%
XYZ	63.0707, 66.8436, 71.8473
YIQ	213.1740, -0.5500, -1.0460

Conversions

Conversions Part 2

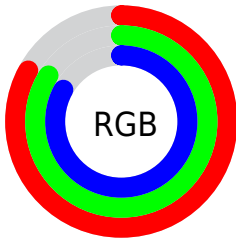
Format	Color
RYB	212, 214, 214
Decimal	13948628
CIELab	85.42, -1.06, 0.75
CIElCh	85, 1.301, 144.741
Yxy	66.8436, 0.3126, 0.3313
Android (android.graphics.Color)	4292138708 (0xFFD4D6D4)
YUV	213.1740, -0.5788, -1.0296
Hunter-Lab	81.7579, -5.3758, 5.1277

Details

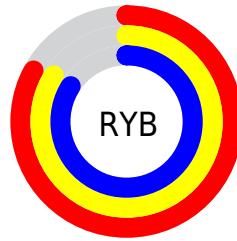
The Yxy color **66.8436, 0.3126, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.2230, 0.3128, 0.3267**, and the grayscale version is **66.6635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.3987, 0.3126, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **62.8702, 0.3113, 0.3572**, and if you desaturate by 10%, it is **71.3860, 0.3137, 0.3088**.

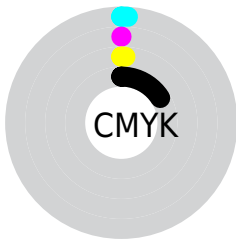
Distribution



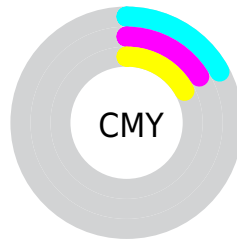
- Red (83%)
- Green (84%)
- Blue (83%)



- Red (83%)
- Yellow (84%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



- Cyan (17%)
- Magenta (16%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8436, 0.3126, 0.3313 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 66.8436, 0.3126, 0.3313 by changing the saturation by 10% instead.

■ 66.8436, 0.3126,
0.3313

■ 66.8436, 0.3126,
0.3313

449.3879, 0.3127,
0.3302

■ 48.9575, 0.3126,
0.3315

114.6963, 0.3126,
0.3309

■ 34.5858, 0.3126,
0.3319

145.4317, 0.3126,
0.3308

■ 23.3440, 0.3125,
0.3323

181.2190, 0.3126,
0.3307

■ 14.8477, 0.3125,
0.3328

222.4426, 0.3126,
0.3305

■ 8.7126, 0.3125,
0.3335

269.4869, 0.3126,
0.3305

■ 4.5542, 0.3124,
0.3346

322.7363, 0.3127,

■ 1.9881, 0.3123,

0.3304

382.5751, 0.3127,
0.3303

0.3364

0.6006, 0.3119,
0.3438

0.0000, 0.0000,
0.0000

66.8436, 0.3126,
0.3313

66.8436, 0.3126,
0.3313

62.8702, 0.3113,
0.3572

71.3860, 0.3137,
0.3088

59.4351, 0.3098,
0.3865

76.5094, 0.3147,
0.2895

56.5178, 0.3082,
0.4190

76.5827, 0.3146,
0.2891

54.0933, 0.3065,
0.4540

■ 52.1343, 0.3048,
0.4898

■ 50.6111, 0.3032,
0.5242

■ 49.4903, 0.3018,
0.5544

■ 48.7339, 0.3008,
0.5779

■ 48.2966, 0.3002,
0.5928

Harmonies

Analogous

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



66.8436, 0.3142, 0.3318



66.8436, 0.3126, 0.3313



66.8436, 0.3110, 0.3302

Triad

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



66.8436, 0.3126, 0.3313



66.8436, 0.3101, 0.3265



66.8436, 0.3155, 0.3293

Complementary

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



66.8436, 0.3126, 0.3313



66.2230, 0.3128, 0.3267

Split Complementary

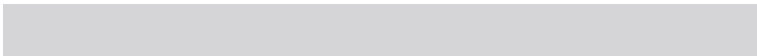
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8436, 0.3144, 0.3279



66.8436, 0.3126, 0.3313



66.8436, 0.3113, 0.3263

Square

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



66.8436, 0.3126, 0.3313



66.8436, 0.3096, 0.3274



66.8436, 0.3128, 0.3268



66.8436, 0.3159, 0.3306

Rectangle

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



66.8436, 0.3126, 0.3313



66.8436, 0.3102, 0.3292



66.8436, 0.3128, 0.3268



66.8436, 0.3152, 0.3288

Sweetspot

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



66.8465, 0.3126, 0.3313

100.0000, 0.3127, 0.3290



67.1533, 0.3141, 0.3313



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.



66.8465, 0.3126, 0.3313



99.3573, 0.3126, 0.3314



66.8979, 0.3119, 0.3302



14.6435, 0.3126, 0.3313



29.0712, 0.2999, 0.5996



1.7538, 0.2996, 0.5984

Inverse Universe

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



66.2230, 0.3128, 0.3267



98.3829, 0.3128, 0.3266



66.1712, 0.3135, 0.3279



14.5096, 0.3128, 0.3268



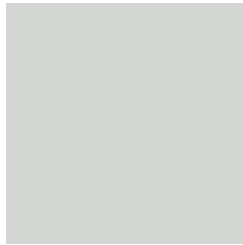
11.5405, 0.3223, 0.1549



0.6965, 0.3220, 0.1548

Previews

White Background



This preview shows how the Yxy color 66.8436, 0.3126, 0.3313 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 66.8436, 0.3126, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

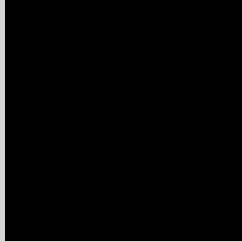
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

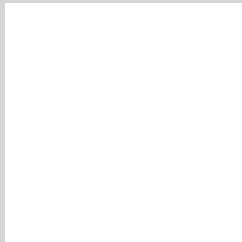
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.8436, 0.3126, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 66.8436, 0.3126, 0.3313.

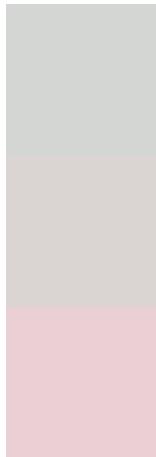


This preview shows how white text looks on a background with the Yxy color 66.8436, 0.3126, 0.3313.

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

66.8436, 0.3126, 0.3313

Protanopia

66.6955, 0.3179, 0.3301

Deuteranopia

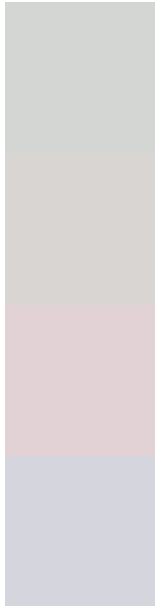
66.9222, 0.3290, 0.3226



Tritanopia

66.9845, 0.3034, 0.3113

Trichromacy



Original Color

66.8436, 0.3126, 0.3313

Protanomaly

66.8906, 0.3163, 0.3312

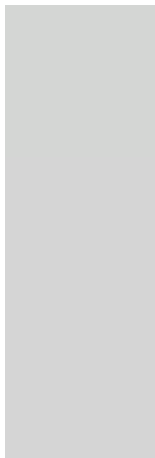
Deuteranomaly

67.0660, 0.3226, 0.3257

Tritanomaly

67.0086, 0.3067, 0.3190

Monochromacy



Original Color

66.8436, 0.3126, 0.3313

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.5387, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8436, 0.3126, 0.3313 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(212, 214, 212)` looks like.

```
.text, #text, p{  
    color:rgb(212, 214, 212)  
}
```

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(212, 214, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 214, 212) }
```

Border

The CSS property to change the border of an element to Yxy 66.8436, 0.3126, 0.3313 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(212, 214, 212) }
```

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

```
.border{ border-color:rgb(212, 214, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 214, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 214, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 214, 212);  
box-shadow:4px 4px 4px 4px rgb(212, 214,  
212) }
```

Background

The CSS property to change the background color of an element to Yxy 66.8436, 0.3126, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 214, 212) }
```

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

```
.background{ background-color: rgb(212,  
214, 212) }
```

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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