

Converting Colors

Yxy(68.5684, 0.3136, 0.3299)

Have a look what the booklet for
Yxy(68.5684, 0.3136, 0.3299)
contains.

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Color

Yxy(68.6170, 0.3134, 0.3301)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | D8D8D7 |
| RGB | 216, 216, 215 |
| RGB Percent | 85%, 85%, 84% |
| CMY | 0.1529, 0.1529, 0.1568 |
| CMYK | 0.00, 0.00, 0.00, 0.15 |
| HSL | 59°, 1%, 85% |
| HSV | 59°, 0%, 85% |
| XYZ | 65.1456, 68.6170, 74.1047 |
| YIQ | 215.8860, 0.3210, -0.3110 |

Conversions

Conversions Part 2

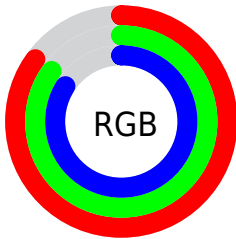
| Format | Color |
|-------------------------------------|--|
| RYB | 215, 216, 215 |
| Decimal | 14211287 |
| CIELab | 86.31, -0.16, 0.48 |
| CIElCh | 86, 0.507, 108.896 |
| Yxy | 68.6170, 0.3134, 0.3301 |
| Android (android.graphics.Color) | 4292401367 (0xFFD8D8D7) |
| YUV | 215.8860, -0.4368, 0.1000 |
| Hunter-Lab | 82.8354, -4.5812, 4.9438 |

Details

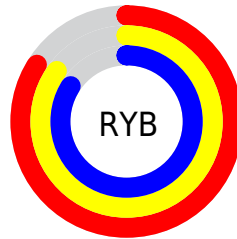
The Yxy color **68.6170, 0.3134, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0236, 0.3120, 0.3279**, and the grayscale version is **68.5944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6049, 0.3136, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **67.3277, 0.3283, 0.3541**, and if you desaturate by 10%, it is **70.0596, 0.2992, 0.3072**.

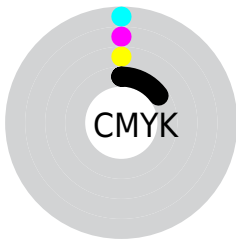
Distribution



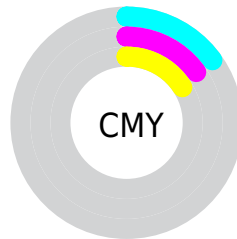
- Red (85%)
- Green (85%)
- Blue (84%)



- Red (84%)
- Yellow (85%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (15%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6170, 0.3134, 0.3301 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 68.6170, 0.3134, 0.3301 by changing the saturation by 10% instead.

■ 68.6170, 0.3134,
0.3301

■ 68.6170, 0.3134,
0.3301

455.6790, 0.3131,
0.3296

■ 50.3999, 0.3135,
0.3302

117.2344, 0.3133,
0.3299

■ 35.7312, 0.3136,
0.3304

148.4034, 0.3132,
0.3299

■ 24.2267, 0.3137,
0.3305

184.6585, 0.3132,
0.3298

■ 15.5019, 0.3138,
0.3308

226.3841, 0.3132,
0.3297

■ 9.1724, 0.3140,
0.3311

273.9645, 0.3132,
0.3297

■ 4.8538, 0.3144,
0.3316

327.7842, 0.3131,

■ 2.1617, 0.3149,

0.3297

0.3324

388.2276, 0.3131,
0.3296

0.6990, 0.3164,
0.3349

0.0000, 0.0000,
0.0000

68.6170, 0.3134,
0.3301

68.6170, 0.3134,
0.3301

67.3277, 0.3283,
0.3541

70.0596, 0.2992,
0.3072

66.1772, 0.3436,
0.3787

71.4434, 0.2879,
0.2889

65.1623, 0.3590,
0.4031

71.6996, 0.2879,
0.2895

64.2765, 0.3738,
0.4266

71.9566, 0.2879,
0.2900

63.5128, 0.3875,
0.4482

72.2144, 0.2879,
0.2905

62.8634, 0.3995,
0.4670

72.4729, 0.2880,
0.2911

62.3198, 0.4093,
0.4820

72.7322, 0.2880,
0.2916

61.8719, 0.4165,
0.4928

72.9923, 0.2880,
0.2921

61.5082, 0.4211,
0.4992

73.2532, 0.2880,
0.2927

Harmonies

Analogous

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



68.6170, 0.3138, 0.3300



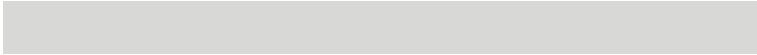
68.6170, 0.3134, 0.3301



68.6170, 0.3128, 0.3300

Triad

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



68.6170, 0.3134, 0.3301



68.6170, 0.3115, 0.3285



68.6170, 0.3133, 0.3285

Complementary

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



68.6170, 0.3134, 0.3301



68.0236, 0.3120, 0.3279

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.



68.6170, 0.3126, 0.3281



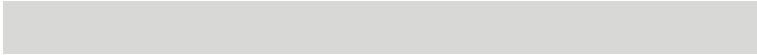
68.6170, 0.3134, 0.3301



68.6170, 0.3116, 0.3281

Square

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



68.6170, 0.3134, 0.3301



68.6170, 0.3117, 0.3290



68.6170, 0.3121, 0.3279



68.6170, 0.3137, 0.3290

Rectangle

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



68.6170, 0.3134, 0.3301



68.6170, 0.3124, 0.3297



68.6170, 0.3121, 0.3279



68.6170, 0.3131, 0.3283

Sweetspot

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



68.6200, 0.3134, 0.3301

100.0000, 0.3127, 0.3290



68.1152, 0.3134, 0.3290



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.



68.6200, 0.3134, 0.3301



99.7995, 0.3142, 0.3314



68.5599, 0.3131, 0.3301



14.7043, 0.3141, 0.3312



36.2510, 0.4233, 0.5021



2.2023, 0.4226, 0.5027

Inverse Universe

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



68.0236, 0.3120, 0.3279



97.9402, 0.3112, 0.3266



68.0835, 0.3124, 0.3279



14.4487, 0.3113, 0.3268



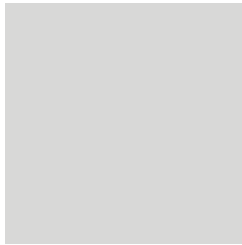
3.0198, 0.1505, 0.0616



0.1986, 0.1518, 0.0665

Previews

White Background



This preview shows how the Yxy color 68.6170, 0.3134, 0.3301 looks on a white background.

Color Contrast Check

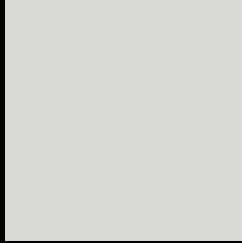
Large Text (above 18pt) WCAG AA × Fail

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 68.6170, 0.3134, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

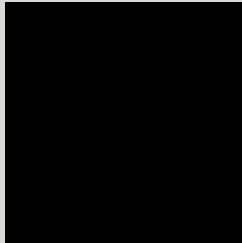
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

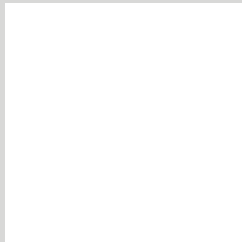
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6170, 0.3134, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 68.6170, 0.3134, 0.3301.

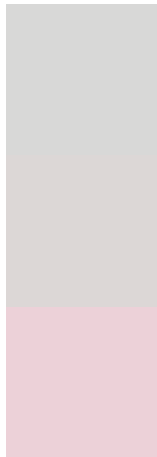


This preview shows how white text looks on a background with the Yxy color 68.6170, 0.3134, 0.3301.

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

68.6170, 0.3134, 0.3301

Protanopia

68.6716, 0.3170, 0.3301

Deuteranopia

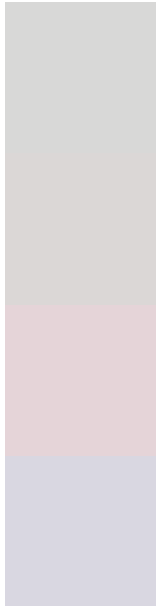
68.3917, 0.3282, 0.3216



Tritanopia

68.7117, 0.3049, 0.3116

Trichromacy



Original Color

68.6170, 0.3134, 0.3301

Protanomaly

68.5160, 0.3163, 0.3301

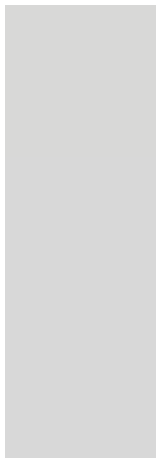
Deuteranomaly

68.7028, 0.3226, 0.3247

Tritanomaly

68.7888, 0.3075, 0.3180

Monochromacy



Original Color

68.6170, 0.3134, 0.3301

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.6685, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6170, 0.3134, 0.3301 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, 216, 215) looks like.

```
.text, #text, p{  
    color:rgb(216, 216, 215)  
}
```

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, 216, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 216, 215) }
```

Border

The CSS property to change the border of an element to Yxy 68.6170, 0.3134, 0.3301 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, 216, 215) }
```

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

```
.border{ border-color:rgb(216, 216, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 216, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 216, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 216, 215);  
box-shadow:4px 4px 4px 4px rgb(216, 216,  
215) }
```

Background

The CSS property to change the background color of an element to Yxy 68.6170, 0.3134, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 216, 215) }
```

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

```
.background{ background-color: rgb(216,  
216, 215) }
```

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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