

Converting Colors

$Y_{xy}(72.8991, 0.3180, 0.3359)$

Have a look what the booklet for
Yxy(72.8991, 0.3180, 0.3359)
contains.

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Color

Yxy(72.8884, 0.3174, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	DFDED8
RGB	223, 222, 216
RGB Percent	87%, 87%, 85%
CMY	0.1254, 0.1294, 0.1529
CMYK	0.00, 0.00, 0.03, 0.13
HSL	51°, 10%, 86%
HSV	51°, 3%, 87%
XYZ	68.9561, 72.8884, 75.4085
YIQ	221.6150, 2.5220, -1.6540

Conversions

Conversions Part 2

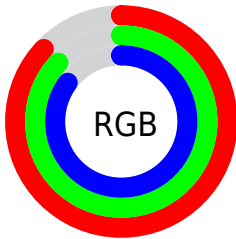
Format	Color
R _Y B	217, 223, 216
Decimal	14671576
CIE Lab	88.39, -0.70, 3.04
CIE LCh	88, 3.120, 102.937
Yxy	72.8884, 0.3174, 0.3355
Android (android.graphics.Color)	4292861656 (0xFFDFDED8)
YUV	221.6150, -2.7682, 1.2146
Hunter-Lab	85.3747, -5.2334, 7.3935

Details

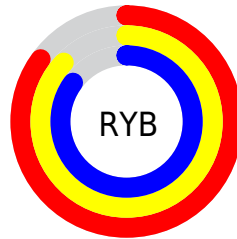
The Yxy color **72.8884, 0.3174, 0.3355** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.5838, 0.3080, 0.3224**, and the grayscale version is **72.7852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5355, 0.3188, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **70.0777, 0.3329, 0.3568**, and if you desaturate by 10%, it is **75.8964, 0.3029, 0.3152**.

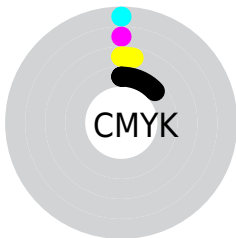
Distribution



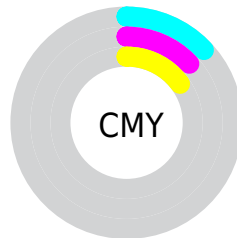
- Red (87%)
- Green (87%)
- Blue (85%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8884, 0.3174, 0.3355 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 72.8884, 0.3174, 0.3355 by changing the saturation by 10% instead.

■ 72.8884, 0.3174,
0.3355

■ 72.8884, 0.3174,
0.3355

470.6279, 0.3152,
0.3325

■ 53.8847, 0.3179,
0.3362

123.3188, 0.3166,
0.3345

■ 38.5095, 0.3185,
0.3370

155.5142, 0.3164,
0.3341

■ 26.3784, 0.3193,
0.3381

192.8758, 0.3161,
0.3337

■ 17.1069, 0.3203,
0.3395

235.7877, 0.3159,
0.3334

■ 10.3107, 0.3217,
0.3415

284.6345, 0.3157,
0.3331

■ 5.6055, 0.3237,
0.3443

339.8006, 0.3155,

■ 2.6067, 0.3269,

0.3329

0.3488

401.6702, 0.3154,
0.3327

■ 0.9300, 0.3338,
0.3583

■ 0.0000, 0.0000,
0.0000

■ 72.8884, 0.3174,
0.3355

■ 72.8884, 0.3174,
0.3355

■ 70.0777, 0.3329,
0.3568

■ 75.8964, 0.3029,
0.3152

■ 67.4483, 0.3493,
0.3786

■ 78.7309, 0.2928,
0.3018

■ 64.9966, 0.3662,
0.4004

■ 80.5720, 0.2929,
0.3052

■ 62.7151, 0.3830,
0.4214

■ 82.4479, 0.2930,
0.3087

60.5958, 0.3992,
0.4406

84.3590, 0.2931,
0.3121

58.6299, 0.4141,
0.4570

86.3054, 0.2932,
0.3155

56.8076, 0.4270,
0.4696

88.2873, 0.2932,
0.3189

55.1176, 0.4373,
0.4779

90.3049, 0.2933,
0.3223

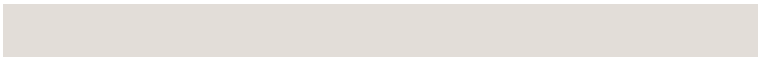
53.5462, 0.4447,
0.4816

92.3584, 0.2934,
0.3256

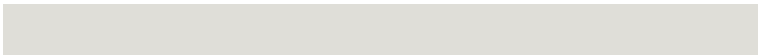
Harmonies

Analogous

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



72.8884, 0.3196, 0.3342



72.8884, 0.3174, 0.3355



72.8884, 0.3139, 0.3350

Triad

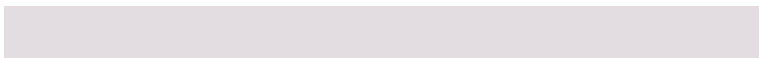
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8884, 0.3174, 0.3355



72.8884, 0.3055, 0.3264



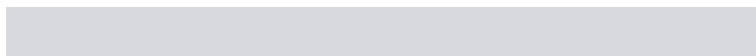
72.8884, 0.3153, 0.3252

Complementary

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



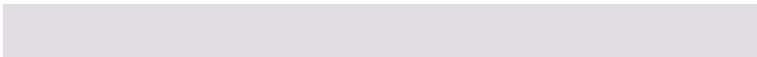
72.8884, 0.3174, 0.3355



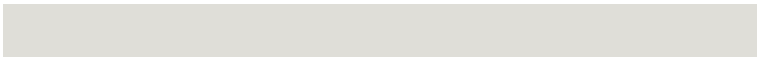
69.5838, 0.3080, 0.3224

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.



72.8884, 0.3115, 0.3231



72.8884, 0.3174, 0.3355



72.8884, 0.3059, 0.3238

Square

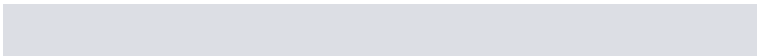
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



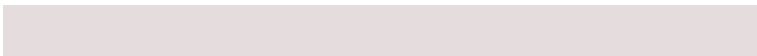
72.8884, 0.3174, 0.3355



72.8884, 0.3071, 0.3297



72.8884, 0.3080, 0.3226



72.8884, 0.3184, 0.3283

Rectangle

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



72.8884, 0.3174, 0.3355



72.8884, 0.3114, 0.3338



72.8884, 0.3080, 0.3226



72.8884, 0.3140, 0.3244

Sweetspot

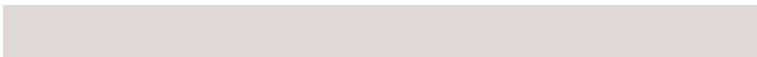
The Sweet Spot groups the original color and five complimentary colors.



72.8916, 0.3174, 0.3355



99.5961, 0.3142, 0.3311



69.8254, 0.3171, 0.3279



21.3219, 0.3141, 0.3310



0.0000, 0.0000, 0.0000



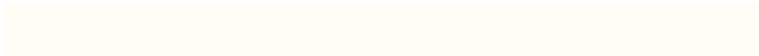
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8916, 0.3174, 0.3355



98.4004, 0.3187, 0.3373



73.0579, 0.3156, 0.3367



15.9604, 0.3198, 0.3388



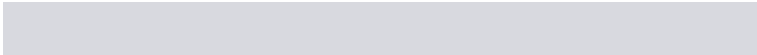
31.0032, 0.4480, 0.4825



2.2444, 0.4429, 0.4866

Inverse Universe

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



69.5838, 0.3080, 0.3224



92.6971, 0.3067, 0.3205



69.4265, 0.3098, 0.3213



14.8781, 0.3056, 0.3190



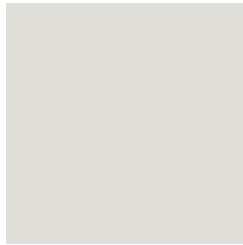
3.8739, 0.1535, 0.0725



0.3729, 0.1601, 0.0962

Previews

White Background



This preview shows how the Yxy color 72.8884, 0.3174, 0.3355 looks on a white background.

Color Contrast Check

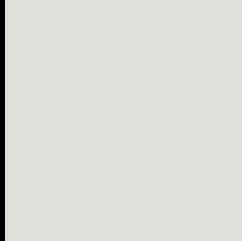
Large Text (above 18pt) WCAG AA × Fail

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 72.8884, 0.3174, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

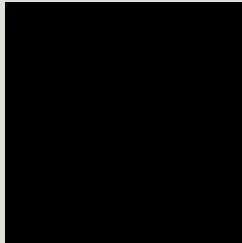
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

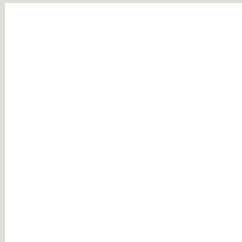
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8884, 0.3174, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 72.8884, 0.3174, 0.3355.

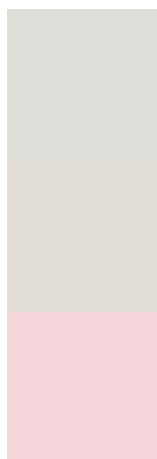


This preview shows how white text looks on a background with the Yxy color 72.8884, 0.3174, 0.3355.

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

72.8884, 0.3174, 0.3355

Protanopia

72.9501, 0.3210, 0.3355

Deuteranopia

72.5676, 0.3329, 0.3249



Tritanopia

72.8879, 0.3065, 0.3110

Trichromacy



Original Color

72.8884, 0.3174, 0.3355

Protanomaly

72.7880, 0.3203, 0.3355

Deuteranomaly

72.6400, 0.3273, 0.3290

Tritanomaly

72.8511, 0.3103, 0.3194

Monochromacy



Original Color

72.8884, 0.3174, 0.3355

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.9395, 0.3140, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8884, 0.3174, 0.3355 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(223, 222, 216)` looks like.

```
.text, #text, p{  
    color:rgb(223, 222, 216)  
}
```

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(223, 222, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 222, 216) }
```

Border

The CSS property to change the border of an element to Yxy 72.8884, 0.3174, 0.3355 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(223, 222, 216) }
```

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

```
.border{ border-color:rgb(223, 222, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 222, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 222, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 222, 216);  
box-shadow:4px 4px 4px 4px rgb(223, 222,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8884, 0.3174, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 222, 216) }
```

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

```
.background{ background-color: rgb(223,  
222, 216) }
```

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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