

Converting Colors

$Y_{xy}(72.5727, 0.3160, 0.3355)$

Have a look what the booklet for
Yxy(72.5727, 0.3160, 0.3355)
contains.

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Color

Yxy(72.5726, 0.3160, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	DDDED8
RGB	221, 222, 216
RGB Percent	87%, 87%, 85%
CMY	0.1333, 0.1294, 0.1531
CMYK	0.00, 0.00, 0.03, 0.13
HSL	70°, 8%, 86%
HSV	70°, 3%, 87%
XYZ	68.3342, 72.5726, 75.3406
YIQ	221.0170, 1.3300, -2.0780

Conversions

Conversions Part 2

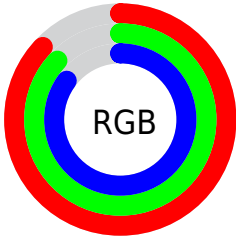
Format	Color
R_{YB}	216, 222, 217
Decimal	14540504
CIE _{Lab}	88.24, -1.40, 2.83
CIE _{LCh}	88, 3.162, 116.335
Yxy	72.5726, 0.3160, 0.3356
Android (android.graphics.Color)	4292730584 (0xFFDDDED8)
YUV	221.0170, -2.4734, -0.0149
Hunter-Lab	85.1896, -5.8993, 7.1974

Details

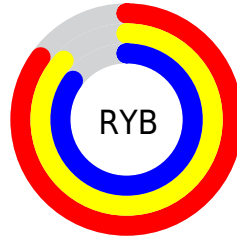
The Yxy color **72.5726, 0.3160, 0.3356** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.1054, 0.3094, 0.3223**, and the grayscale version is **72.3378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3176, 0.3169, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **70.9431, 0.3283, 0.3607**, and if you desaturate by 10%, it is **74.3757, 0.3041, 0.3119**.

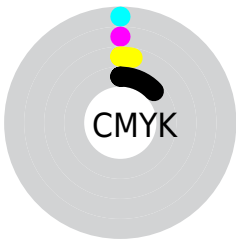
Distribution



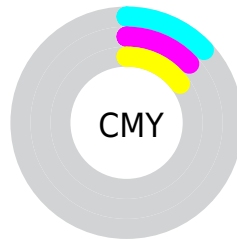
- Red (87%)
- Green (87%)
- Blue (85%)



- 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 72.5726, 0.3160, 0.3356 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 72.5726, 0.3160, 0.3356 by changing the saturation by 10% instead.

■ 72.5726, 0.3160,
0.3356

■ 72.5726, 0.3160,
0.3356

469.5322, 0.3145,
0.3325

■ 53.6266, 0.3163,
0.3363

122.8703, 0.3155,
0.3345

■ 38.3032, 0.3168,
0.3372

154.9907, 0.3153,
0.3341

■ 26.2181, 0.3173,
0.3383

192.2713, 0.3151,
0.3338

■ 16.9869, 0.3180,
0.3397

235.0967, 0.3149,
0.3335

■ 10.2251, 0.3190,
0.3417

283.8510, 0.3148,
0.3332

■ 5.5485, 0.3204,
0.3446

338.9188, 0.3147,

■ 2.5725, 0.3226,

0.3329

400.6844, 0.3146,
0.3327

0.3493

0.9129, 0.3278,
0.3592

0.0000, 0.0000,
0.0000

72.5726, 0.3160,
0.3356

72.5726, 0.3160,
0.3356

70.9431, 0.3283,
0.3607

74.3757, 0.3041,
0.3119

69.4715, 0.3406,
0.3867

75.9991, 0.2961,
0.2951

68.1544, 0.3527,
0.4130

76.5971, 0.2985,
0.2954

66.9845, 0.3640,
0.4387

77.2074, 0.3009,
0.2956

65.9541, 0.3739,
0.4628

77.8303, 0.3034,
0.2959

65.0546, 0.3820,
0.4842

78.4658, 0.3058,
0.2961

64.2766, 0.3877,
0.5019

79.1139, 0.3083,
0.2964

63.6088, 0.3908,
0.5152

79.7747, 0.3107,
0.2966

63.0382, 0.3914,
0.5240

80.4483, 0.3132,
0.2969

Harmonies

Analogous

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



72.5726, 0.3189, 0.3351



72.5726, 0.3160, 0.3356



72.5726, 0.3122, 0.3343

Triad

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



72.5726, 0.3160, 0.3356



72.5726, 0.3053, 0.3250



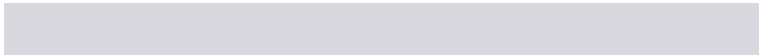
72.5726, 0.3169, 0.3265

Complementary

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



72.5726, 0.3160, 0.3356



69.1054, 0.3094, 0.3223

Split Complementary

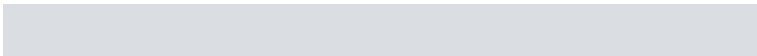
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.5726, 0.3132, 0.3238



72.5726, 0.3160, 0.3356



72.5726, 0.3065, 0.3230

Square

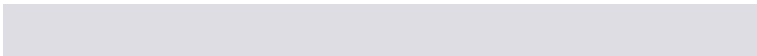
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



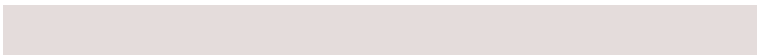
72.5726, 0.3160, 0.3356



72.5726, 0.3061, 0.3282



72.5726, 0.3094, 0.3225



72.5726, 0.3194, 0.3298

Rectangle

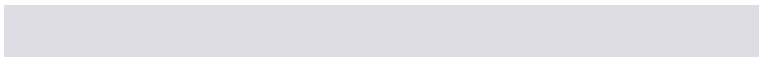
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.5726, 0.3160, 0.3356



72.5726, 0.3097, 0.3326



72.5726, 0.3094, 0.3225



72.5726, 0.3157, 0.3255

Sweetspot

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



72.5757, 0.3160, 0.3356



99.7582, 0.3139, 0.3314



70.0407, 0.3171, 0.3300



21.3549, 0.3139, 0.3313



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.



72.5757, 0.3160, 0.3356



99.2817, 0.3164, 0.3363



72.1170, 0.3139, 0.3356



16.1192, 0.3173, 0.3382



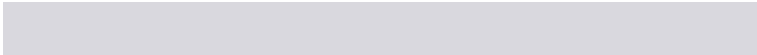
37.2634, 0.3910, 0.5278



2.6134, 0.3956, 0.5241

Inverse Universe

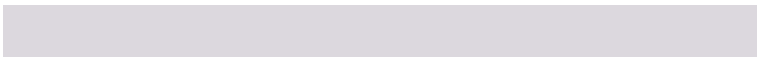
The Inverse Universe completely reimagines the original color for something new.



69.1054, 0.3094, 0.3223



94.0212, 0.3090, 0.3216



69.5609, 0.3115, 0.3224



15.0547, 0.3081, 0.3197



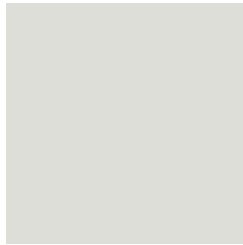
3.3885, 0.1572, 0.0640



0.2680, 0.1700, 0.0710

Previews

White Background



This preview shows how the Yxy color 72.5726, 0.3160, 0.3356 looks on a white background.

Color Contrast Check

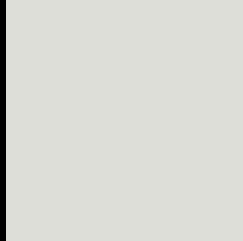
Large Text (above 18pt) WCAG AA × Fail

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 72.5726, 0.3160, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

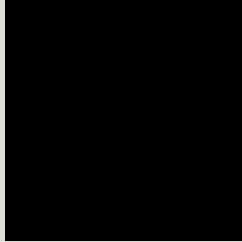
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

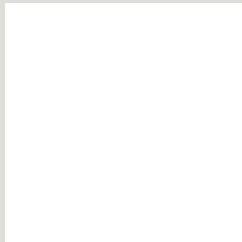
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.5726, 0.3160, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 72.5726, 0.3160, 0.3356.

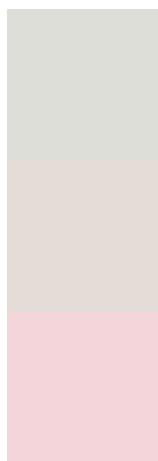


This preview shows how white text looks on a background with the Yxy color 72.5726, 0.3160, 0.3356.

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

72.5726, 0.3160, 0.3356

Protanopia

72.4236, 0.3211, 0.3344

Deuteranopia

72.3882, 0.3322, 0.3249



Tritanopia

72.5665, 0.3051, 0.3109

Trichromacy



Original Color

72.5726, 0.3160, 0.3356

Protanomaly

72.6268, 0.3196, 0.3355

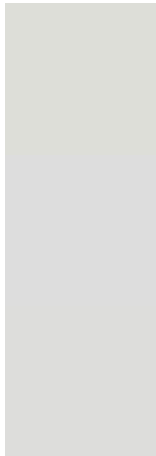
Deuteranomaly

72.4683, 0.3266, 0.3290

Tritanomaly

72.5315, 0.3089, 0.3193

Monochromacy



Original Color

72.5726, 0.3160, 0.3356

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.1995, 0.3140, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5726, 0.3160, 0.3356 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, 222, 216)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 222, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 222, 216) }
```

Border

The CSS property to change the border of an element to Yxy 72.5726, 0.3160, 0.3356 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, 222, 216) }
```

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

```
.border{ border-color:rgb(221, 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(221, 222, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 222, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 222, 216);  
box-shadow:4px 4px 4px 4px rgb(221, 222,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5726, 0.3160, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 222, 216) }
```

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

```
.background{ background-color: rgb(221,  
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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