

Converting Colors

$Y_{xy}(75.7451, 0.3000, 0.3231)$

Have a look what the booklet for
Yxy(75.7451, 0.3000, 0.3231)
contains.

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Color

Yxy(75.6661, 0.3001, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	D6E4E9
RGB	214, 228, 233
RGB Percent	84%, 89%, 91%
CMY	0.1610, 0.1058, 0.0863
CMYK	0.08, 0.02, 0.00, 0.09
HSL	196°, 30%, 88%
HSV	196°, 8%, 91%
XYZ	70.1712, 75.6661, 87.9887
YIQ	224.3840, -9.9490, -1.4130

Conversions

Conversions Part 2

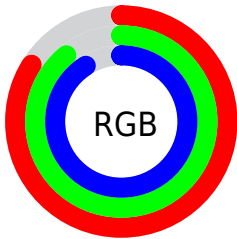
Format	Color
R _Y B	214, 222, 233
Decimal	14083305
CIE Lab	89.70, -3.72, -4.04
CIE LCh	90, 5.492, 227.362
Yxy	75.6661, 0.3001, 0.3236
Android (android.graphics.Color)	4292273385 (0xFFD6E4E9)
YUV	224.3840, 4.2477, -9.1068
Hunter-Lab	86.9863, -8.2313, 0.9171

Details

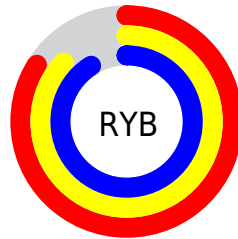
The Yxy color **75.6661, 0.3001, 0.3236** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.7983, 0.3263, 0.3343**, and the grayscale version is **74.8011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.4324, 0.2973, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **69.1227, 0.2847, 0.3164**, and if you desaturate by 10%, it is **82.8350, 0.3155, 0.3301**.

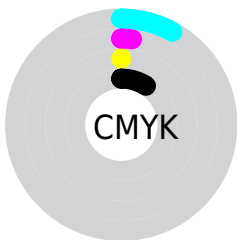
Distribution



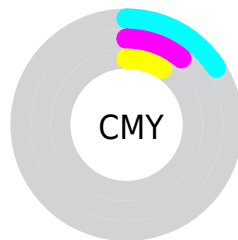
- Red (84%)
- Green (89%)
- Blue (91%)



- Red (84%)
- Yellow (87%)
- Blue (91%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (16%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6661, 0.3001, 0.3236 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 75.6661, 0.3001, 0.3236 by changing the saturation by 10% instead.

■ 75.6661, 0.3001,
0.3236

■ 75.6661, 0.3001,
0.3236

480.2039, 0.3059,
0.3261

■ 56.1588, 0.2988,
0.3230

127.2548, 0.3021,
0.3245

■ 40.3302, 0.2972,
0.3223

160.1050, 0.3029,
0.3248

■ 27.7961, 0.2951,
0.3214

198.1715, 0.3035,
0.3251

■ 18.1720, 0.2925,
0.3202

241.8388, 0.3041,
0.3254

■ 11.0736, 0.2889,
0.3186

291.4914, 0.3047,
0.3256

■ 6.1163, 0.2838,
0.3162

347.5134, 0.3051,

■ 2.9159, 0.2759,

0.3258

0.3124

410.2895, 0.3055,
0.3260

■ 1.0880, 0.2622,
0.3056

■ 0.0000, 0.0000,
0.0000

■ 75.6661, 0.3001,
0.3236

■ 75.6661, 0.3001,
0.3236

■ 69.1227, 0.2847,
0.3164

■ 82.8350, 0.3155,
0.3301

■ 63.1728, 0.2697,
0.3085

■ 89.5728, 0.3270,
0.3361

■ 57.7959, 0.2554,
0.3000

■ 93.2188, 0.3264,
0.3420

■ 52.9660, 0.2421,
0.2910

■ 96.9861, 0.3258,
0.3478

■ 48.6552, 0.2302,
0.2815

■ 98.6626, 0.3256,
0.3503

■ 44.8324, 0.2200,
0.2718

■ 41.4624, 0.2117,
0.2619

■ 38.5040, 0.2054,
0.2521

■ 35.8994, 0.2009,
0.2424

Harmonies

Analogous

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



75.6661, 0.3023, 0.3293



75.6661, 0.3001, 0.3236



75.6661, 0.3012, 0.3194

Triad

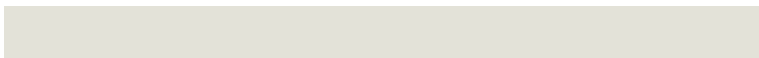
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6661, 0.3001, 0.3236



75.6661, 0.3181, 0.3231



75.6661, 0.3201, 0.3404

Complementary

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



75.6661, 0.3001, 0.3236



72.7983, 0.3263, 0.3343

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.



75.6661, 0.3244, 0.3386



75.6661, 0.3001, 0.3236



75.6661, 0.3232, 0.3286

Square

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



75.6661, 0.3001, 0.3236



75.6661, 0.3115, 0.3192



75.6661, 0.3255, 0.3342



75.6661, 0.3138, 0.3391

Rectangle

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



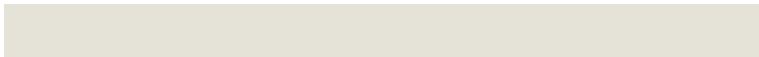
75.6661, 0.3001, 0.3236



75.6661, 0.3037, 0.3180



75.6661, 0.3255, 0.3342



75.6661, 0.3218, 0.3401

Sweetspot

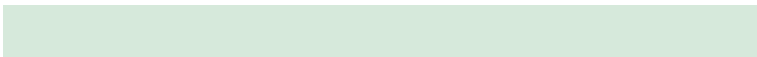
The Sweet Spot groups the original color and five complimentary colors.



75.6693, 0.3001, 0.3236



98.1988, 0.3096, 0.3277



77.6607, 0.3088, 0.3445



21.0375, 0.3098, 0.3278



0.0000, 0.0000, 0.0000



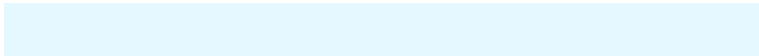
21.4041, 0.3127, 0.3290

Same Dimension

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



75.6693, 0.3001, 0.3236



91.3054, 0.2972, 0.3223



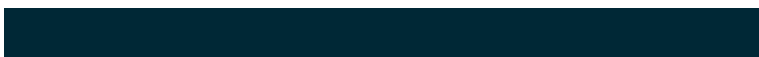
70.6852, 0.3001, 0.3134



16.4175, 0.2981, 0.3227



20.3264, 0.2006, 0.2421



1.7507, 0.2043, 0.2556

Inverse Universe

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



70.9942, 0.3170, 0.3142



84.3743, 0.3181, 0.3107



77.7886, 0.3253, 0.3441



15.2427, 0.3178, 0.3118



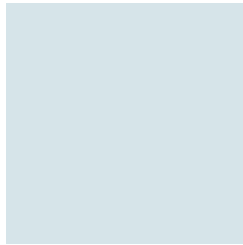
11.5448, 0.4001, 0.1978



0.9221, 0.3867, 0.1904

Previews

White Background



This preview shows how the Yxy color 75.6661, 0.3001, 0.3236 looks on a white background.

Color Contrast Check

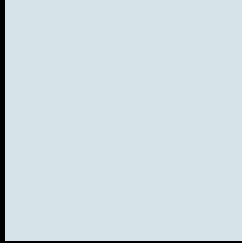
Large Text (above 18pt) WCAG AA × Fail

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 75.6661, 0.3001, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

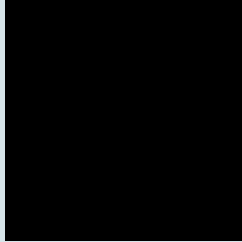
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

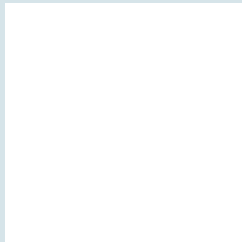
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6661, 0.3001, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 75.6661, 0.3001, 0.3236.

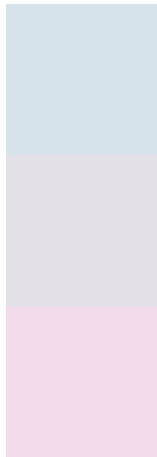


This preview shows how white text looks on a background with the Yxy color 75.6661, 0.3001, 0.3236.

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

75.6661, 0.3001, 0.3236

Protanopia

75.5748, 0.3110, 0.3216

Deuteranopia

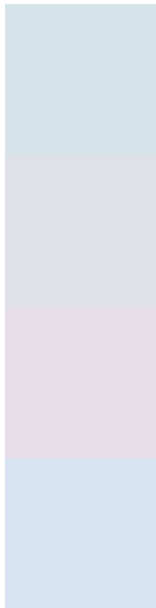
75.7159, 0.3192, 0.3127



Tritanopia

75.5233, 0.2948, 0.3098

Trichromacy



Original Color

75.6661, 0.3001, 0.3236

Protanomaly

75.3646, 0.3069, 0.3215

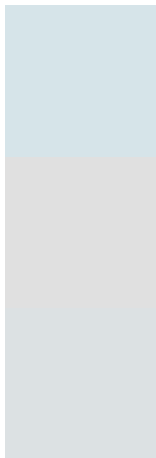
Deuteranomaly

75.3389, 0.3119, 0.3165

Tritanomaly

75.6765, 0.2965, 0.3151

Monochromacy



Original Color

75.6661, 0.3001, 0.3236

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.6121, 0.3080, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6661, 0.3001, 0.3236 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(214, 228, 233)` looks like.

```
.text, #text, p{  
    color:rgb(214, 228, 233)  
}
```

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(214, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 228, 233) }
```

Border

The CSS property to change the border of an element to Yxy 75.6661, 0.3001, 0.3236 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(214, 228, 233) }
```

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

```
.border{ border-color:rgb(214, 228, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 228, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(214, 228,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6661, 0.3001, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 228, 233) }
```

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

```
.background{ background-color: rgb(214,  
228, 233) }
```

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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