

Converting Colors

$Yxy(76.9487, 0.2985, 0.3314)$

Have a look what the booklet for
Yxy(76.9487, 0.2985, 0.3314)
contains.

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Color

Yxy(76.9817, 0.2987, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	D1E8E6
RGB	209, 232, 230
RGB Percent	82%, 91%, 90%
CMY	0.1801, 0.0902, 0.0980
CMYK	0.10, 0.00, 0.01, 0.09
HSL	175°, 33%, 86%
HSV	175°, 10%, 91%
XYZ	69.4486, 76.9817, 86.0726
YIQ	224.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

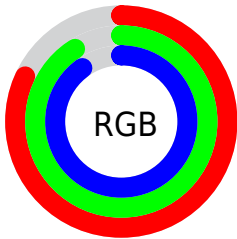
Format	Color
R _Y B	209, 221, 232
Decimal	13756646
CIE Lab	90.31, -7.90, -1.63
CIE LCh	90, 8.068, 191.638
Yxy	76.9817, 0.2987, 0.3311
Android (android.graphics.Color)	4291946726 (0xFFD1E8E6)
YUV	224.8950, 2.5168, -13.9399
Hunter-Lab	87.7392, -12.2547, 3.2537

Details

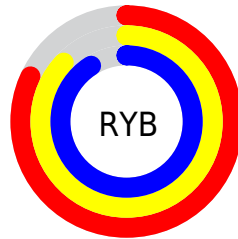
The Yxy color **76.9817, 0.2987, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4906, 0.3287, 0.3269**, and the grayscale version is **75.2138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0158, 0.2947, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **73.7311, 0.2852, 0.3334**, and if you desaturate by 10%, it is **80.7328, 0.3129, 0.3290**.

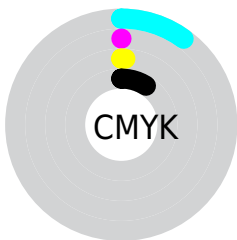
Distribution



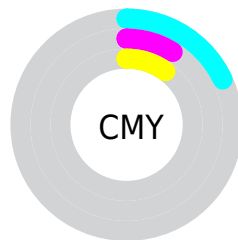
- Red (82%)
- Green (91%)
- Blue (90%)



- Red (82%)
- Yellow (87%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9817, 0.2987, 0.3311 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 76.9817, 0.2987, 0.3311 by changing the saturation by 10% instead.

■ 76.9817, 0.2987,
0.3311

■ 76.9817, 0.2987,
0.3311

484.7016, 0.3051,
0.3302

■ 57.2379, 0.2973,
0.3313

129.1136, 0.3009,
0.3308

■ 41.1962, 0.2955,
0.3316

162.2705, 0.3018,
0.3307

■ 28.4725, 0.2932,
0.3319

200.6672, 0.3025,
0.3306

■ 18.6821, 0.2903,
0.3322

244.6881, 0.3032,
0.3305

■ 11.4408, 0.2864,
0.3328

294.7176, 0.3037,
0.3304

■ 6.3641, 0.2808,
0.3335

351.1401, 0.3043,

■ 3.0677, 0.2722,

0.3303

414.3400, 0.3047,
0.3302

0.3345

1.1672, 0.2572,
0.3361

0.0347, 0.0000,
0.1862

76.9817, 0.2987,
0.3311

76.9817, 0.2987,
0.3311

73.7311, 0.2852,
0.3334

80.7328, 0.3129,
0.3290

70.9501, 0.2728,
0.3359


84.9071, 0.3272,
0.3271


68.6191, 0.2617,
0.3386

85.0225, 0.3259,
0.3251

66.7137, 0.2522,
0.3414


85.1391, 0.3246,
0.3231

 65.2067, 0.2445,
0.3443

 85.2570, 0.3233,
0.3212

 64.0681, 0.2386,
0.3472


 85.3762, 0.3220,
0.3193

 63.2635, 0.2348,
0.3502

 85.4967, 0.3207,
0.3173

 62.7522, 0.2328,
0.3531

 85.6185, 0.3195,
0.3154

 62.4648, 0.2322,
0.3560

 85.7417, 0.3182,
0.3135

Harmonies

Analogous

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



76.9817, 0.3065, 0.3392



76.9817, 0.2987, 0.3311



76.9817, 0.2946, 0.3225

Triad

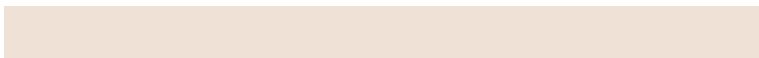
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9817, 0.2987, 0.3311



76.9817, 0.3091, 0.3141



76.9817, 0.3305, 0.3420

Complementary

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



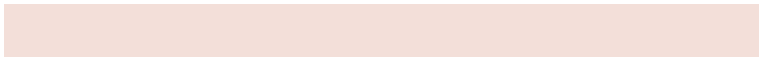
76.9817, 0.2987, 0.3311



67.4906, 0.3287, 0.3269

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.



76.9817, 0.3312, 0.3351



76.9817, 0.2987, 0.3311



76.9817, 0.3188, 0.3191

Square

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



76.9817, 0.2987, 0.3311



76.9817, 0.3005, 0.3128



76.9817, 0.3269, 0.3267



76.9817, 0.3249, 0.3455

Rectangle

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



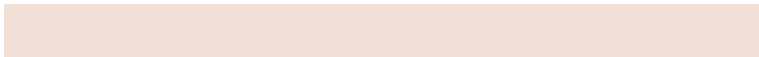
76.9817, 0.2987, 0.3311



76.9817, 0.2945, 0.3177



76.9817, 0.3269, 0.3267



76.9817, 0.3313, 0.3399

Sweetspot

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



76.9849, 0.2987, 0.3311



98.5356, 0.3084, 0.3296



76.2144, 0.3131, 0.3544



21.0090, 0.3072, 0.3298



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.



76.9849, 0.2987, 0.3311



94.4830, 0.2957, 0.3316



72.0681, 0.2974, 0.3189



16.3139, 0.2993, 0.3310



34.6899, 0.2321, 0.3556



2.5698, 0.2309, 0.3513

Inverse Universe

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



67.4906, 0.3287, 0.3269



80.3343, 0.3327, 0.3264



72.0241, 0.3290, 0.3389



14.3880, 0.3279, 0.3270



9.5597, 0.6302, 0.3245



0.7134, 0.6058, 0.3111

Previews

White Background



This preview shows how the Yxy color 76.9817, 0.2987, 0.3311 looks on a white background.

Color Contrast Check

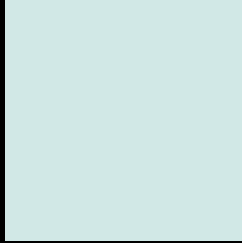
Large Text (above 18pt) WCAG AA × Fail

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 76.9817, 0.2987, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

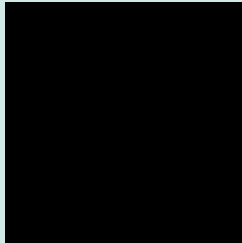
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

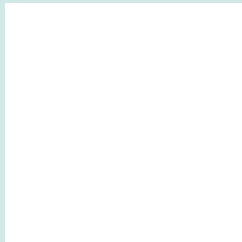
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9817, 0.2987, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 76.9817, 0.2987, 0.3311.

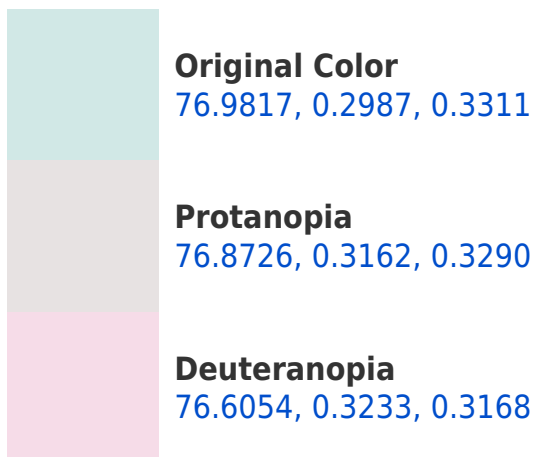


This preview shows how white text looks on a background with the Yxy color 76.9817, 0.2987, 0.3311.

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

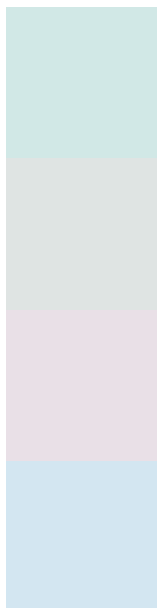




Tritanopia

76.8130, 0.2899, 0.3088

Trichromacy



Original Color

76.9817, 0.2987, 0.3311

Protanomaly

76.7208, 0.3099, 0.3301

Deuteranomaly

76.4045, 0.3145, 0.3217

Tritanomaly

76.7934, 0.2934, 0.3172

Monochromacy



Original Color

76.9817, 0.2987, 0.3311

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.0929, 0.3072, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9817, 0.2987, 0.3311 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(209, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(209, 232, 230)  
}
```

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(209, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 232, 230) }
```

Border

The CSS property to change the border of an element to Yxy 76.9817, 0.2987, 0.3311 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(209, 232, 230) }
```

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

```
.border{ border-color:rgb(209, 232, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(209, 232,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9817, 0.2987, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 232, 230) }
```

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

```
.background{ background-color: rgb(209,  
232, 230) }
```

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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