

Converting Colors

Yxy(76.5445, 0.3013, 0.3309)

Have a look what the booklet for
Yxy(76.5445, 0.3013, 0.3309)
contains.

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Color

Yxy(76.8060, 0.3012, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	D4E7E5
RGB	212, 231, 229
RGB Percent	83%, 91%, 90%
CMY	0.1687, 0.0941, 0.1018
CMYK	0.08, 0.00, 0.01, 0.09
HSL	174°, 28%, 87%
HSV	174°, 8%, 91%
XYZ	69.8700, 76.8060, 85.2962
YIQ	225.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

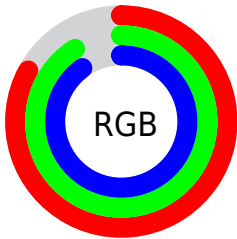
Format	Color
R _Y B	212, 222, 231
Decimal	13952997
CIE Lab	90.23, -6.64, -1.21
CIE LCh	90, 6.753, 190.316
Yxy	76.8060, 0.3012, 0.3311
Android (android.graphics.Color)	4292143077 (0xFFD4E7E5)
YUV	225.0910, 1.9271, -11.4808
Hunter-Lab	87.6390, -11.0596, 3.6423

Details

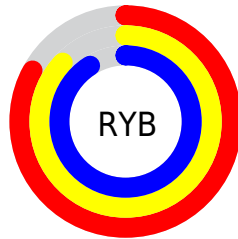
The Yxy color **76.8060, 0.3012, 0.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.9215, 0.3255, 0.3269**, and the grayscale version is **75.3569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8840, 0.2980, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **73.4857, 0.2878, 0.3339**, and if you desaturate by 10%, it is **80.6258, 0.3152, 0.3286**.

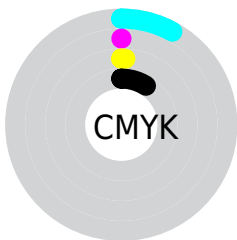
Distribution



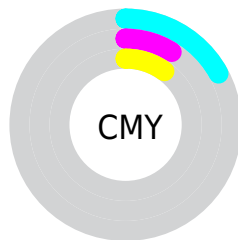
- Red (83%)
- Green (91%)
- Blue (90%)



- Red (83%)
- Yellow (87%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (17%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8060, 0.3012, 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 76.8060, 0.3012, 0.3311 by changing the saturation by 10% instead.

■ 76.8060, 0.3012,
0.3311

■ 76.8060, 0.3012,
0.3311

484.1023, 0.3065,
0.3302

■ 57.0937, 0.3000,
0.3313

128.8656, 0.3030,
0.3308

■ 41.0804, 0.2985,
0.3316

161.9816, 0.3037,
0.3307

■ 28.3819, 0.2967,
0.3319

200.3344, 0.3043,
0.3305

■ 18.6138, 0.2943,
0.3323

244.3082, 0.3049,
0.3305

■ 11.3915, 0.2910,
0.3328

294.2875, 0.3053,
0.3304

■ 6.3308, 0.2864,
0.3336

350.6567, 0.3058,

■ 3.0473, 0.2792,

0.3303

413.8002, 0.3061,
0.3302

0.3347

■ 1.1565, 0.2668,
0.3366

■ 0.0257, 0.0000,
0.1860

■ 76.8060, 0.3012,
0.3311

■ 76.8060, 0.3012,
0.3311

■ 73.4857, 0.2878,
0.3339

■ 80.6258, 0.3152,
0.3286

■ 70.6343, 0.2754,
0.3369

■ 84.3458, 0.3274,
0.3263

■ 68.2330, 0.2642,
0.3401

■ 84.4842, 0.3259,
0.3239

■ 66.2575, 0.2546,
0.3435

■ 84.6244, 0.3243,
0.3216

■ 64.6818, 0.2467,
0.3470

■ 84.7665, 0.3227,
0.3192

■ 63.4765, 0.2407,
0.3505

■ 84.9105, 0.3212,
0.3169

■ 62.6085, 0.2366,
0.3541

■ 85.0564, 0.3196,
0.3146

■ 62.0386, 0.2344,
0.3577

■ 85.2041, 0.3181,
0.3123

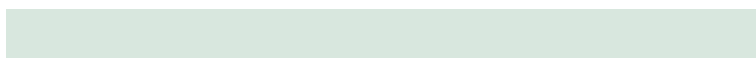
■ 61.7111, 0.2339,
0.3613

■ 85.3538, 0.3166,
0.3100

Harmonies

Analogous

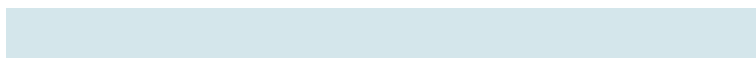
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8060, 0.3079, 0.3378



76.8060, 0.3012, 0.3311



76.8060, 0.2976, 0.3239

Triad

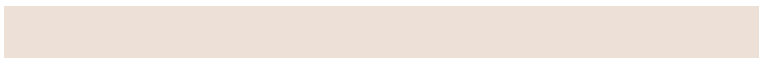
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8060, 0.3012, 0.3311



76.8060, 0.3094, 0.3163



76.8060, 0.3277, 0.3397

Complementary

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



76.8060, 0.3012, 0.3311



68.9215, 0.3255, 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.



76.8060, 0.3281, 0.3338



76.8060, 0.3012, 0.3311



76.8060, 0.3175, 0.3205

Square

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



76.8060, 0.3012, 0.3311



76.8060, 0.3022, 0.3155



76.8060, 0.3243, 0.3268



76.8060, 0.3232, 0.3428

Rectangle

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



76.8060, 0.3012, 0.3311



76.8060, 0.2974, 0.3198



76.8060, 0.3243, 0.3268



76.8060, 0.3283, 0.3380

Sweetspot

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



76.8092, 0.3012, 0.3311



99.0115, 0.3099, 0.3295



76.2348, 0.3132, 0.3499



21.2029, 0.3100, 0.3295



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.



76.8092, 0.3012, 0.3311



95.3114, 0.2987, 0.3316



72.9224, 0.3000, 0.3210



16.3093, 0.2995, 0.3314



34.5784, 0.2337, 0.3613



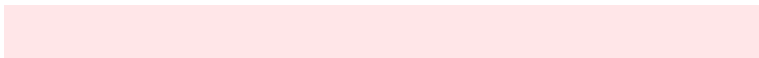
2.5627, 0.2323, 0.3561

Inverse Universe

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



68.9215, 0.3255, 0.3269



83.4100, 0.3287, 0.3264



72.5497, 0.3261, 0.3369



14.3921, 0.3276, 0.3266



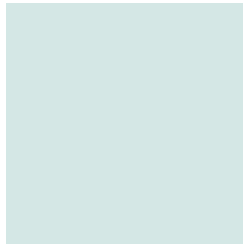
9.5695, 0.6276, 0.3231



0.7154, 0.5994, 0.3076

Previews

White Background



This preview shows how the Yxy color 76.8060, 0.3012, 0.3311 looks on a white background.

Color Contrast Check

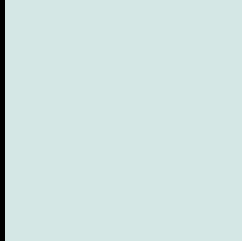
Large Text (above 18pt) WCAG AA × Fail

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 76.8060, 0.3012, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

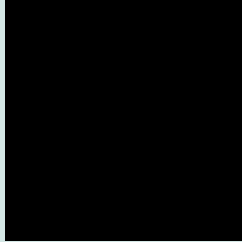
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

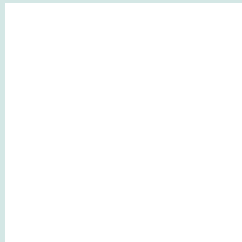
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8060, 0.3012, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 76.8060, 0.3012, 0.3311.

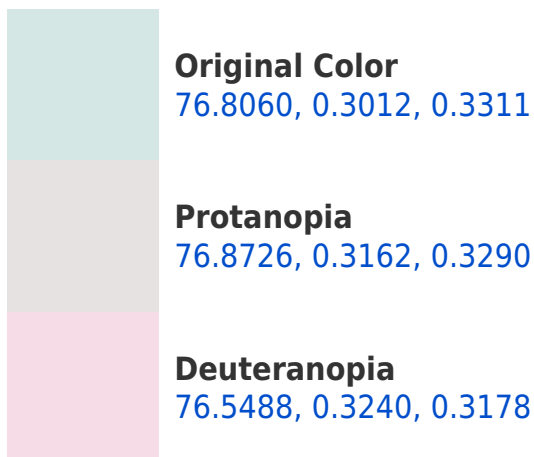


This preview shows how white text looks on a background with the Yxy color 76.8060, 0.3012, 0.3311.

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

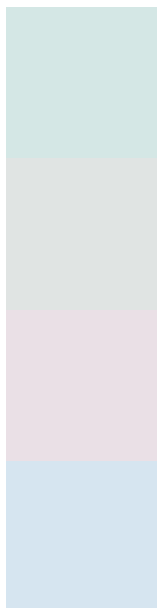




Tritanopia

76.5877, 0.2930, 0.3099

Trichromacy



Original Color

76.8060, 0.3012, 0.3311

Protanomaly

76.8801, 0.3106, 0.3301

Deuteranomaly

76.5169, 0.3158, 0.3228

Tritanomaly

76.6260, 0.2959, 0.3172

Monochromacy



Original Color

76.8060, 0.3012, 0.3311

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.6448, 0.3085, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8060, 0.3012, 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(212, 231, 229)` looks like.

```
.text, #text, p{  
    color:rgb(212, 231, 229)  
}
```

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(212, 231, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 231, 229) }
```

Border

The CSS property to change the border of an element to Yxy 76.8060, 0.3012, 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(212, 231, 229) }
```

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

```
.border{ border-color:rgb(212, 231, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 231, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 231, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 231, 229); box-shadow:4px 4px 4px 4px rgb(212, 231, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8060, 0.3012, 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(212, 231, 229) }
```

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

```
.background{ background-color: rgb(212,  
231, 229) }
```

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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