

Converting Colors

$Y_{xy}(76.3034, 0.2980, 0.3243)$

Have a look what the booklet for
Yxy(76.3034, 0.2980, 0.3243)
contains.

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Color

Yxy(76.5312, 0.2982, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	D4E6EA
RGB	212, 230, 234
RGB Percent	83%, 90%, 92%
CMY	0.1686, 0.0981, 0.0822
CMYK	0.09, 0.02, 0.00, 0.08
HSL	191°, 34%, 87%
HSV	191°, 9%, 92%
XYZ	70.3069, 76.5312, 88.9327
YIQ	225.0740, -12.0120, -2.5720

Conversions

Conversions Part 2

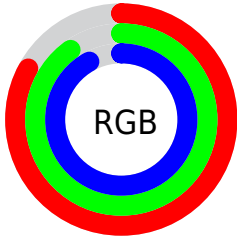
Format	Color
R _Y B	212, 222, 234
Decimal	13952746
CIE Lab	90.11, -5.16, -4.01
CIE LCh	90, 6.535, 217.872
Yxy	76.5312, 0.2982, 0.3246
Android (android.graphics.Color)	4292142826 (0xFFD4E6EA)
YUV	225.0740, 4.4005, -11.4659
Hunter-Lab	87.4821, -9.6384, 0.9643

Details

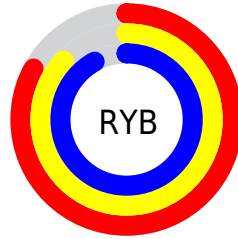
The Yxy color **76.5312, 0.2982, 0.3246** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.3929, 0.3287, 0.3334**, and the grayscale version is **75.3304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0424, 0.2949, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **70.9451, 0.2831, 0.3195**, and if you desaturate by 10%, it is **82.6867, 0.3136, 0.3293**.

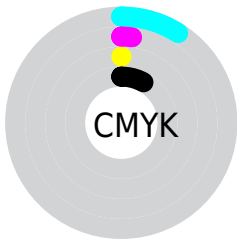
Distribution



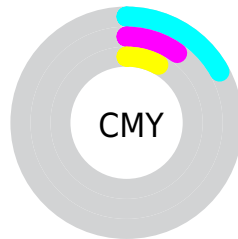
- Red (83%)
- Green (90%)
- Blue (92%)



- Red (83%)
- Yellow (87%)
- Blue (92%)



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



- Cyan (17%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5312, 0.2982, 0.3246 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 76.5312, 0.2982, 0.3246 by changing the saturation by 10% instead.

■ 76.5312, 0.2982,
0.3246

■ 76.5312, 0.2982,
0.3246

483.1642, 0.3048,
0.3267

■ 56.8682, 0.2967,
0.3241

128.4775, 0.3005,
0.3253

■ 40.8994, 0.2949,
0.3235

161.5296, 0.3014,
0.3256

■ 28.2405, 0.2925,
0.3228

199.8135, 0.3022,
0.3258

■ 18.5070, 0.2895,
0.3218

243.7136, 0.3028,
0.3260

■ 11.3146, 0.2855,
0.3204

293.6144, 0.3034,
0.3262

■ 6.2789, 0.2797,
0.3184

349.9001, 0.3039,

■ 3.0154, 0.2708,

0.3264

412.9552, 0.3044,
0.3265

0.3152

1.1398, 0.2554,
0.3094

0.0117, 0.0000,
0.0383

76.5312, 0.2982,
0.3246

76.5312, 0.2982,
0.3246

70.9451, 0.2831,
0.3195

82.6867, 0.3136,
0.3293

65.8966, 0.2686,
0.3140

88.6898, 0.3265,
0.3335

61.3656, 0.2551,
0.3080

91.2266, 0.3261,
0.3377

57.3264, 0.2429,
0.3018

93.8235, 0.3257,
0.3418

■ 53.7512, 0.2322,
0.2953

■ 96.4808, 0.3253,
0.3459

■ 50.6090, 0.2233,
0.2886

■ 98.7225, 0.3250,
0.3493

■ 47.8646, 0.2164,
0.2819

■ 45.4760, 0.2114,
0.2753

■ 43.3768, 0.2081,
0.2687

Harmonies

Analogous

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



76.5312, 0.3020, 0.3316



76.5312, 0.2982, 0.3246



76.5312, 0.2982, 0.3189

Triad

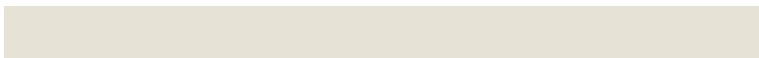
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5312, 0.2982, 0.3246



76.5312, 0.3167, 0.3203



76.5312, 0.3234, 0.3422

Complementary

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



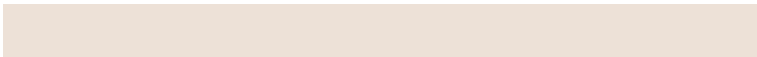
76.5312, 0.2982, 0.3246



71.3929, 0.3287, 0.3334

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.



76.5312, 0.3274, 0.3390



76.5312, 0.2982, 0.3246



76.5312, 0.3235, 0.3263

Square

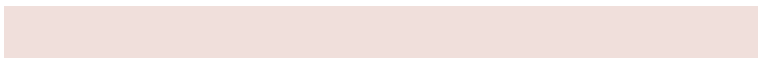
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5312, 0.2982, 0.3246



76.5312, 0.3088, 0.3165



76.5312, 0.3275, 0.3331



76.5312, 0.3165, 0.3419

Rectangle

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



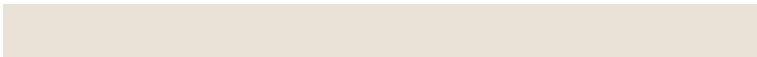
76.5312, 0.2982, 0.3246



76.5312, 0.3004, 0.3166



76.5312, 0.3275, 0.3331



76.5312, 0.3251, 0.3415

Sweetspot

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



76.5344, 0.2982, 0.3246



97.6861, 0.3080, 0.3276



77.8256, 0.3091, 0.3487



20.7788, 0.3068, 0.3273



0.0000, 0.0000, 0.0000



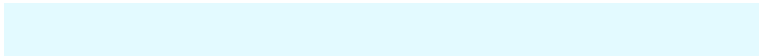
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5344, 0.2982, 0.3246



91.8249, 0.2957, 0.3238



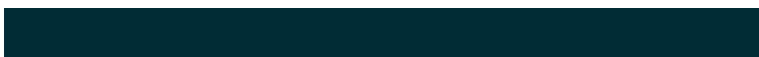
70.6004, 0.2981, 0.3125



16.6248, 0.2981, 0.3246



24.4716, 0.2082, 0.2694



2.0435, 0.2107, 0.2785

Inverse Universe

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



70.3077, 0.3166, 0.3101



83.0640, 0.3173, 0.3067



77.2250, 0.3275, 0.3449



15.2636, 0.3166, 0.3100



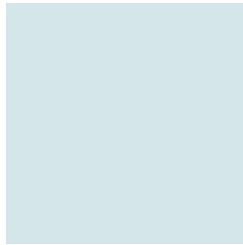
11.9632, 0.3734, 0.1831



0.9517, 0.3648, 0.1784

Previews

White Background



This preview shows how the Yxy color 76.5312, 0.2982, 0.3246 looks on a white background.

Color Contrast Check

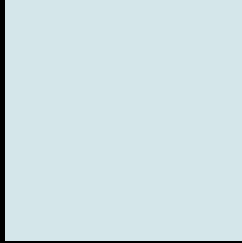
Large Text (above 18pt) WCAG AA × Fail

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 76.5312, 0.2982, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

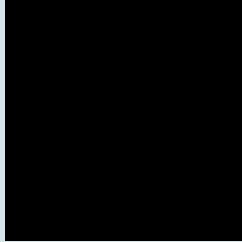
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

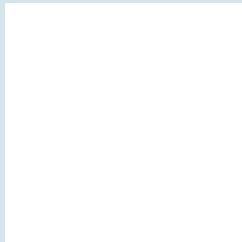
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5312, 0.2982, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 76.5312, 0.2982, 0.3246.

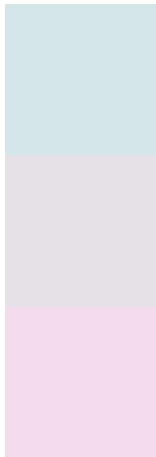


This preview shows how white text looks on a background with the Yxy color 76.5312, 0.2982, 0.3246.

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

76.5312, 0.2982, 0.3246

Protanopia

76.2780, 0.3116, 0.3227

Deuteranopia

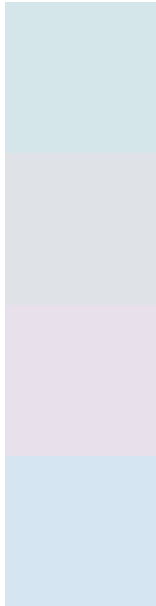
76.4756, 0.3192, 0.3128



Tritanopia

76.4368, 0.2923, 0.3099

Trichromacy



Original Color

76.5312, 0.2982, 0.3246

Protanomaly

76.4523, 0.3068, 0.3237

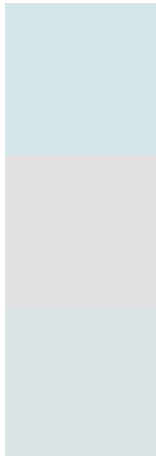
Deuteranomaly

76.4653, 0.3112, 0.3175

Tritanomaly

76.5956, 0.2941, 0.3151

Monochromacy



Original Color

76.5312, 0.2982, 0.3246

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.7553, 0.3073, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5312, 0.2982, 0.3246 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, 230, 234)` looks like.

```
.text, #text, p{  
    color:rgb(212, 230, 234)  
}
```

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, 230, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 230, 234) }
```

Border

The CSS property to change the border of an element to Yxy 76.5312, 0.2982, 0.3246 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, 230, 234) }
```

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

```
.border{ border-color:rgb(212, 230, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 230, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 230, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 230, 234);  
box-shadow:4px 4px 4px 4px rgb(212, 230,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5312, 0.2982, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 230, 234) }
```

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

```
.background{ background-color: rgb(212,  
230, 234) }
```

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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