

Converting Colors

$Yxy(76.5781, 0.3008, 0.3236)$

Have a look what the booklet for
Yxy(76.5781, 0.3008, 0.3236)
contains.

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Color

Yxy(76.5781, 0.3008, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	D8E5EA
RGB	216, 229, 234
RGB Percent	85%, 90%, 92%
CMY	0.1531, 0.1019, 0.0823
CMYK	0.08, 0.02, 0.00, 0.08
HSL	197°, 30%, 88%
HSV	197°, 8%, 92%
XYZ	71.1826, 76.5781, 88.8836
YIQ	225.6830, -9.3530, -1.2010

Conversions

Conversions Part 2

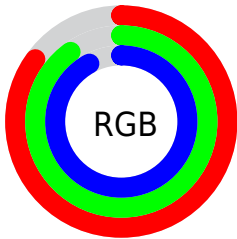
Format	Color
R _Y B	216, 224, 234
Decimal	14214634
CIE _{Lab}	90.13, -3.38, -3.94
CIE _{LCh}	90, 5.193, 229.356
Y _{xy}	76.5781, 0.3008, 0.3236
Android (android.graphics.Color)	4292404714 (0xFFD8E5EA)
Y _{UV}	225.6830, 4.1003, -8.4920
Hunter-Lab	87.5089, -7.9429, 1.0348

Details

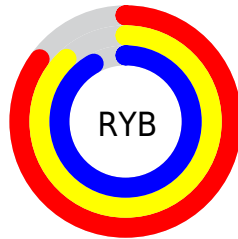
The Yxy color **76.5781, 0.3008, 0.3236** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.1459, 0.3255, 0.3343**, and the grayscale version is **75.7859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0635, 0.2982, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **69.7457, 0.2854, 0.3160**, and if you desaturate by 10%, it is **84.0586, 0.3162, 0.3305**.

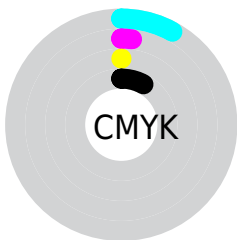
Distribution



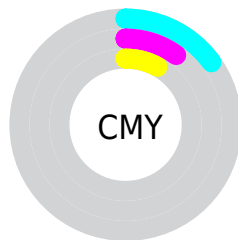
- Red (85%)
- Green (90%)
- Blue (92%)



- Red (85%)
- Yellow (88%)
- Blue (92%)



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



- Cyan (15%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5781, 0.3008, 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 76.5781, 0.3008, 0.3236 by changing the saturation by 10% instead.

■ 76.5781, 0.3008,
0.3236

■ 76.5781, 0.3008,
0.3236

483.3243, 0.3063,
0.3261

■ 56.9067, 0.2996,
0.3230

128.5438, 0.3027,
0.3245

■ 40.9303, 0.2981,
0.3223

161.6068, 0.3034,
0.3248

■ 28.2646, 0.2961,
0.3214

199.9024, 0.3040,
0.3251

■ 18.5252, 0.2937,
0.3202

243.8151, 0.3046,
0.3254

■ 11.3277, 0.2903,
0.3186

293.7293, 0.3051,
0.3256

■ 6.2877, 0.2855,
0.3163

350.0293, 0.3055,

■ 3.0208, 0.2782,

0.3258

0.3126

413.0995, 0.3059,
0.3260

■ 1.1426, 0.2654,
0.3060

■ 0.0141, 0.0000,
0.0461

■ 76.5781, 0.3008,
0.3236

■ 76.5781, 0.3008,
0.3236

■ 69.7457, 0.2854,
0.3160

■ 84.0586, 0.3162,
0.3305

■ 63.5289, 0.2703,
0.3076

■ 90.6963, 0.3262,
0.3368

■ 57.9066, 0.2558,
0.2986

■ 94.6249, 0.3256,
0.3431

■ 52.8527, 0.2423,
0.2890

■ 98.6919, 0.3250,
0.3492

■ 48.3385, 0.2301,
0.2789

■ 98.7215, 0.3250,
0.3493

■ 44.3326, 0.2195,
0.2686

■ 40.7995, 0.2109,
0.2580

■ 37.6974, 0.2042,
0.2475

■ 34.9706, 0.1995,
0.2372

Harmonies

Analogous

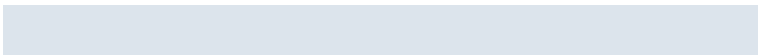
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5781, 0.3027, 0.3289



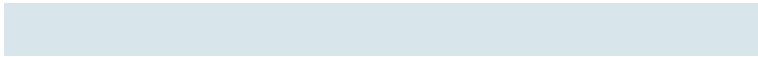
76.5781, 0.3008, 0.3236



76.5781, 0.3020, 0.3198

Triad

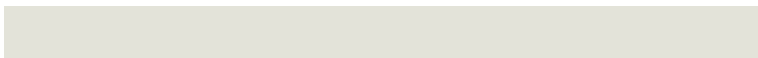
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5781, 0.3008, 0.3236



76.5781, 0.3181, 0.3238



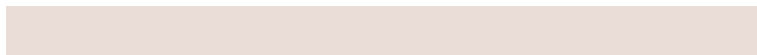
76.5781, 0.3193, 0.3397

Complementary

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



76.5781, 0.3008, 0.3236



74.1459, 0.3255, 0.3343

Split Complementary

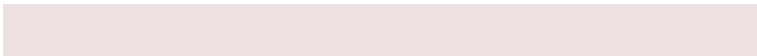
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5781, 0.3235, 0.3382



76.5781, 0.3008, 0.3236



76.5781, 0.3228, 0.3290

Square

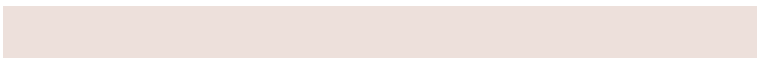
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



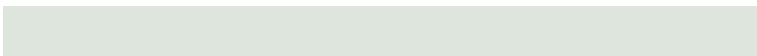
76.5781, 0.3008, 0.3236



76.5781, 0.3120, 0.3199



76.5781, 0.3248, 0.3343



76.5781, 0.3133, 0.3383

Rectangle

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



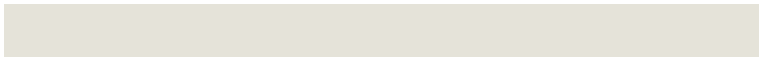
76.5781, 0.3008, 0.3236



76.5781, 0.3045, 0.3186



76.5781, 0.3248, 0.3343



76.5781, 0.3209, 0.3395

Sweetspot

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



76.5813, 0.3008, 0.3236



98.1471, 0.3096, 0.3276



78.6576, 0.3088, 0.3433



21.0270, 0.3098, 0.3277



0.0000, 0.0000, 0.0000



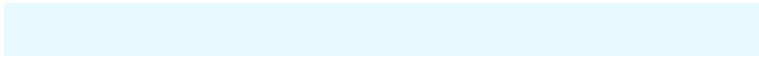
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5813, 0.3008, 0.3236



91.9135, 0.2987, 0.3226



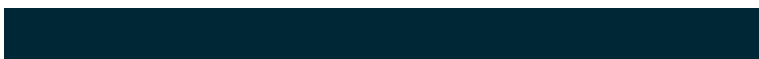
71.8129, 0.3008, 0.3140



16.3751, 0.2981, 0.3223



19.5387, 0.1990, 0.2365



1.6943, 0.2030, 0.2508

Inverse Universe

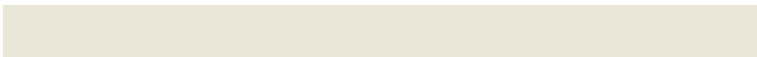
The Inverse Universe completely reimagines the original color for something new.



72.2456, 0.3170, 0.3153



85.8185, 0.3178, 0.3129



78.9364, 0.3246, 0.3436



15.2384, 0.3180, 0.3121



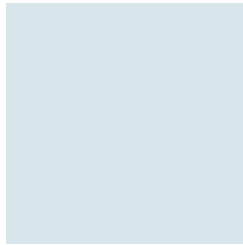
11.4653, 0.4059, 0.2010



0.9165, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 76.5781, 0.3008, 0.3236 looks on a white background.

Color Contrast Check

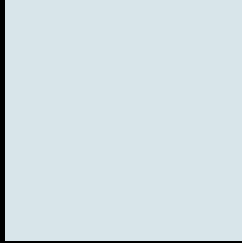
Large Text (above 18pt) WCAG AA × Fail

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 76.5781, 0.3008, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

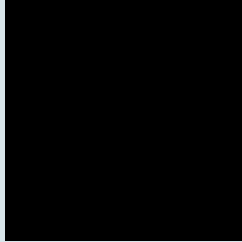
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

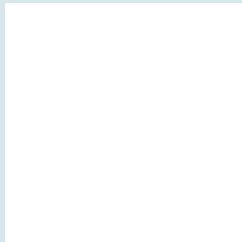
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5781, 0.3008, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 76.5781, 0.3008, 0.3236.

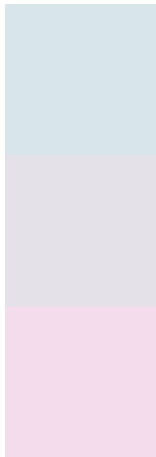


This preview shows how white text looks on a background with the Yxy color 76.5781, 0.3008, 0.3236.

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

76.5781, 0.3008, 0.3236

Protanopia

76.3346, 0.3110, 0.3216

Deuteranopia

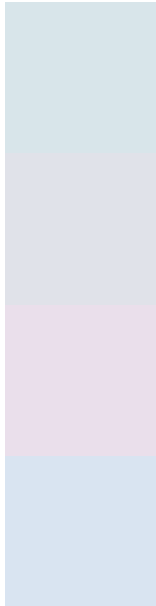
76.4756, 0.3192, 0.3128



Tritanopia

76.4362, 0.2955, 0.3100

Trichromacy



Original Color

76.5781, 0.3008, 0.3236

Protanomaly

76.1232, 0.3069, 0.3216

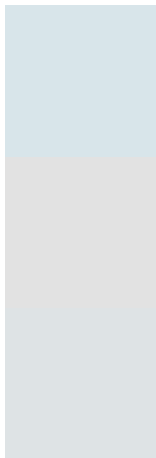
Deuteranomaly

76.2659, 0.3126, 0.3165

Tritanomaly

76.5894, 0.2972, 0.3152

Monochromacy



Original Color

76.5781, 0.3008, 0.3236

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.1249, 0.3080, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5781, 0.3008, 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(216, 229, 234)` looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 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(216, 229, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 234) }
```

Border

The CSS property to change the border of an element to Yxy 76.5781, 0.3008, 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(216, 229, 234) }
```

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

```
.border{ border-color:rgb(216, 229, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 234);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5781, 0.3008, 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(216, 229, 234) }
```

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

```
.background{ background-color: rgb(216,  
229, 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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