

Converting Colors

$Yxy(78.0097, 0.3004, 0.3240)$

Have a look what the booklet for
Yxy(78.0097, 0.3004, 0.3240)
contains.

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Color

Yxy(77.9597, 0.3003, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	D9E7EC
RGB	217, 231, 236
RGB Percent	85%, 91%, 93%
CMY	0.1488, 0.0942, 0.0744
CMYK	0.08, 0.02, 0.00, 0.07
HSL	196°, 33%, 89%
HSV	196°, 8%, 93%
XYZ	72.3464, 77.9597, 90.6077
YIQ	227.3840, -9.9490, -1.4130

Conversions

Conversions Part 2

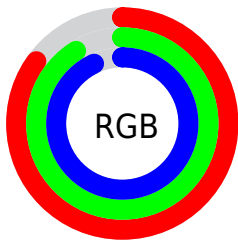
Format	Color
R _Y B	217, 225, 236
Decimal	14280684
CIE Lab	90.76, -3.66, -4.05
CIE LCh	91, 5.454, 227.908
Yxy	77.9597, 0.3003, 0.3236
Android (android.graphics.Color)	4292470764 (0xFFD9E7EC)
YUV	227.3840, 4.2477, -9.1068
Hunter-Lab	88.2948, -8.2577, 0.9633

Details

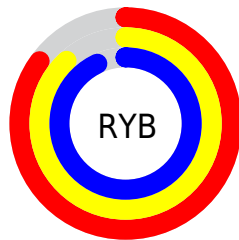
The Yxy color **77.9597, 0.3003, 0.3236** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.1417, 0.3260, 0.3343**, and the grayscale version is **77.0928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6366, 0.2975, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **71.1547, 0.2849, 0.3163**, and if you desaturate by 10%, it is **85.4141, 0.3157, 0.3303**.

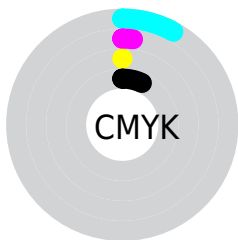
Distribution



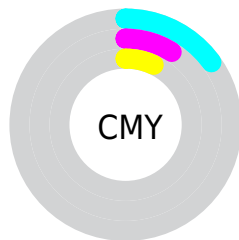
- Red (85%)
- Green (91%)
- Blue (93%)



- Red (85%)
- Yellow (88%)
- Blue (93%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9597, 0.3003, 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 77.9597, 0.3003, 0.3236 by changing the saturation by 10% instead.

■ 77.9597, 0.3003,
0.3236

■ 77.9597, 0.3003,
0.3236

488.0299, 0.3060,
0.3261

■ 58.0409, 0.2990,
0.3230

130.4933, 0.3022,
0.3245

■ 41.8415, 0.2975,
0.3223

163.8769, 0.3030,
0.3248

■ 28.9772, 0.2955,
0.3214

202.5175, 0.3037,
0.3251

■ 19.0636, 0.2929,
0.3203

246.7995, 0.3042,
0.3254

■ 11.7162, 0.2895,
0.3187

297.1074, 0.3048,
0.3256

■ 6.5508, 0.2846,
0.3164

353.8255, 0.3052,

■ 3.1828, 0.2772,

0.3258

0.3128

417.3382, 0.3056,
0.3259

■ 1.2279, 0.2644,
0.3064

■ 0.0843, 0.0000,
0.1837

■ 77.9597, 0.3003,
0.3236

■ 77.9597, 0.3003,
0.3236

■ 71.1547, 0.2849,
0.3163

■ 85.4141, 0.3157,
0.3303

■ 64.9662, 0.2699,
0.3082

■ 91.7306, 0.3248,
0.3363

■ 59.3727, 0.2555,
0.2996

■ 95.5564, 0.3243,
0.3424

■ 54.3475, 0.2421,
0.2904

■ 98.8375, 0.3238,
0.3473

■ 49.8618, 0.2301,
0.2808

■ 45.8834, 0.2198,
0.2709

■ 42.3760, 0.2114,
0.2608

■ 39.2969, 0.2050,
0.2508

■ 36.5878, 0.2005,
0.2409

Harmonies

Analogous

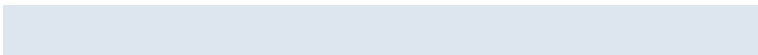
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9597, 0.3024, 0.3292



77.9597, 0.3003, 0.3236



77.9597, 0.3014, 0.3195

Triad

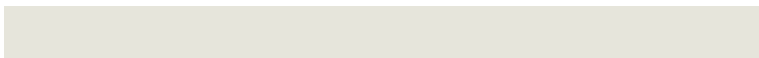
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9597, 0.3003, 0.3236



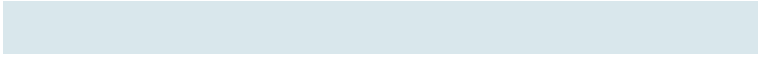
77.9597, 0.3181, 0.3233



77.9597, 0.3198, 0.3402

Complementary

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



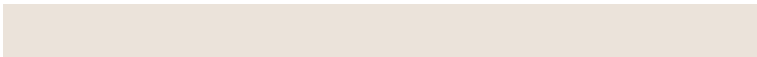
77.9597, 0.3003, 0.3236



75.1417, 0.3260, 0.3343

Split Complementary

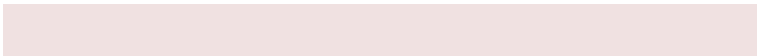
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9597, 0.3241, 0.3385



77.9597, 0.3003, 0.3236



77.9597, 0.3231, 0.3287

Square

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



77.9597, 0.3003, 0.3236



77.9597, 0.3117, 0.3194



77.9597, 0.3253, 0.3342



77.9597, 0.3137, 0.3389

Rectangle

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



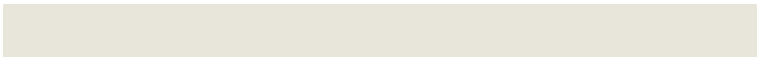
77.9597, 0.3003, 0.3236



77.9597, 0.3039, 0.3182



77.9597, 0.3253, 0.3342



77.9597, 0.3215, 0.3400

Sweetspot

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



77.9630, 0.3003, 0.3236



98.1846, 0.3096, 0.3277



80.0278, 0.3089, 0.3443



21.0346, 0.3098, 0.3278



0.0000, 0.0000, 0.0000



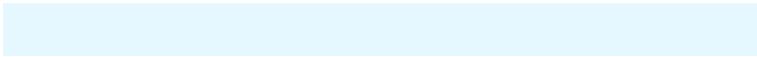
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9630, 0.3003, 0.3236



91.2365, 0.2972, 0.3222



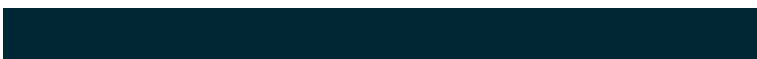
72.9541, 0.3003, 0.3137



16.4059, 0.2981, 0.3226



20.1081, 0.2002, 0.2406



1.7351, 0.2040, 0.2543

Inverse Universe

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



73.2613, 0.3170, 0.3145



84.3673, 0.3182, 0.3108



80.1592, 0.3251, 0.3439



15.2415, 0.3178, 0.3119



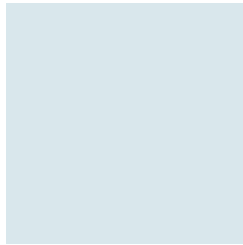
11.5227, 0.4017, 0.1987



0.9206, 0.3880, 0.1911

Previews

White Background



This preview shows how the Yxy color 77.9597, 0.3003, 0.3236 looks on a white background.

Color Contrast Check

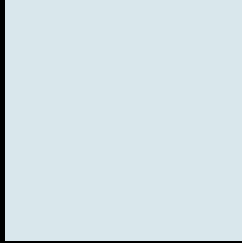
Large Text (above 18pt) WCAG AA × Fail

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 77.9597, 0.3003, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

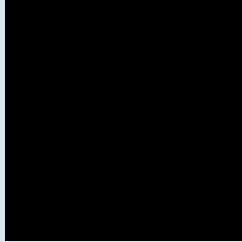
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

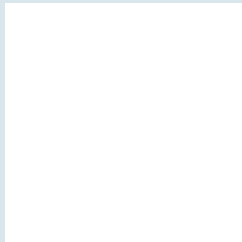
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9597, 0.3003, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 77.9597, 0.3003, 0.3236.

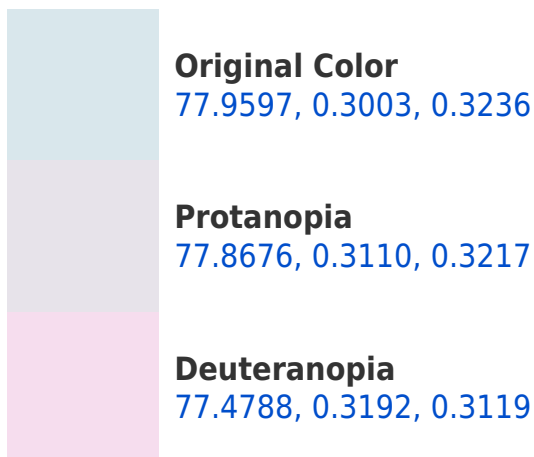


This preview shows how white text looks on a background with the Yxy color 77.9597, 0.3003, 0.3236.

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

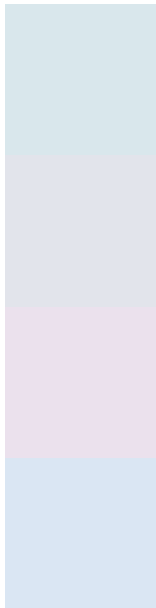




Tritanopia

77.8141, 0.2950, 0.3101

Trichromacy



Original Color

77.9597, 0.3003, 0.3236

Protanomaly

77.6537, 0.3069, 0.3216

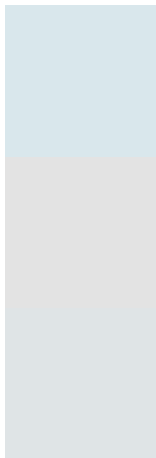
Deuteranomaly

77.6270, 0.3119, 0.3166

Tritanomaly

77.9701, 0.2967, 0.3152

Monochromacy



Original Color

77.9597, 0.3003, 0.3236

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8880, 0.3080, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9597, 0.3003, 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(217, 231, 236)` looks like.

```
.text, #text, p{  
    color:rgb(217, 231, 236)  
}
```

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(217, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 231, 236) }
```

Border

The CSS property to change the border of an element to Yxy 77.9597, 0.3003, 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(217, 231, 236) }
```

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

```
.border{ border-color:rgb(217, 231, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(217, 231,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9597, 0.3003, 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(217, 231, 236) }
```

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

```
.background{ background-color: rgb(217,  
231, 236) }
```

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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