

Converting Colors

$Y_{xy}(77.7209, 0.3005, 0.3243)$

Have a look what the booklet for
Yxy(77.7209, 0.3005, 0.3243)
contains.

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Color

Yxy(77.9017, 0.3009, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	D9E7EB
RGB	217, 231, 235
RGB Percent	85%, 91%, 92%
CMY	0.1489, 0.0941, 0.0784
CMYK	0.08, 0.02, 0.00, 0.08
HSL	193°, 31%, 89%
HSV	193°, 8%, 92%
XYZ	72.1916, 77.9017, 89.8257
YIQ	227.2700, -9.6280, -1.7240

Conversions

Conversions Part 2

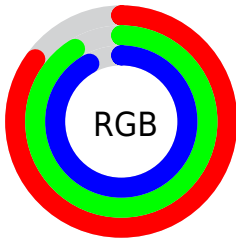
Format	Color
R_{YB}	217, 225, 235
Decimal	14280683
CIE Lab	90.74, -3.87, -3.55
CIE LCh	91, 5.250, 222.549
Yxy	77.9017, 0.3009, 0.3247
Android (android.graphics.Color)	4292470763 (0xFFD9E7EB)
YUV	227.2700, 3.8109, -9.0068
Hunter-Lab	88.2619, -8.4588, 1.4429

Details

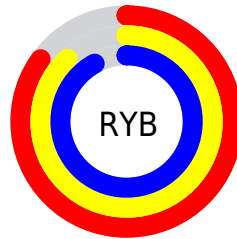
The Yxy color **77.9017, 0.3009, 0.3247** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.3993, 0.3254, 0.3333**, and the grayscale version is **77.0042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5960, 0.2983, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **71.6725, 0.2856, 0.3186**, and if you desaturate by 10%, it is **84.7377, 0.3164, 0.3303**.

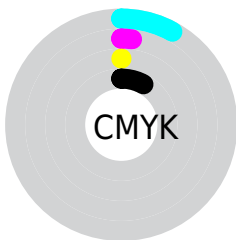
Distribution



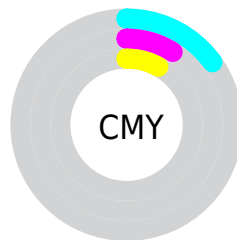
- Red (85%)
- Green (91%)
- Blue (92%)



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



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



- Cyan (15%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9017, 0.3009, 0.3247 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 77.9017, 0.3009, 0.3247 by changing the saturation by 10% instead.

■ 77.9017, 0.3009,
0.3247

■ 77.9017, 0.3009,
0.3247

487.8329, 0.3063,
0.3267

■ 57.9932, 0.2997,
0.3242

130.4115, 0.3028,
0.3254

■ 41.8032, 0.2982,
0.3237

163.7817, 0.3035,
0.3257

■ 28.9472, 0.2963,
0.3230

202.4079, 0.3041,
0.3259

■ 19.0409, 0.2939,
0.3220

246.6745, 0.3047,
0.3261

■ 11.6998, 0.2906,
0.3207

296.9659, 0.3051,
0.3263

■ 6.5396, 0.2860,
0.3189

353.6665, 0.3056,

■ 3.1759, 0.2788,

0.3264

0.3160

417.1607, 0.3059,
0.3266

■ 1.2242, 0.2666,
0.3107

■ 0.0814, 0.0000,
0.1946

■ 77.9017, 0.3009,
0.3247

■ 77.9017, 0.3009,
0.3247

■ 71.6725, 0.2856,
0.3186

■ 84.7377, 0.3164,
0.3303

■ 66.0179, 0.2708,
0.3119

■ 90.4393, 0.3257,
0.3353

■ 60.9174, 0.2568,
0.3048

■ 93.5873, 0.3252,
0.3404

■ 56.3453, 0.2438,
0.2972

■ 96.8251, 0.3247,
0.3454

■ 52.2734, 0.2324,
0.2892

■ 98.7780, 0.3244,
0.3483

■ 48.6708, 0.2226,
0.2811

■ 45.5024, 0.2147,
0.2728

■ 42.7269, 0.2089,
0.2645

■ 40.2891, 0.2048,
0.2564

Harmonies

Analogous

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



77.9017, 0.3035, 0.3302



77.9017, 0.3009, 0.3247



77.9017, 0.3014, 0.3204

Triad

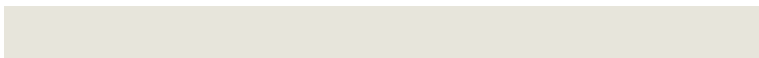
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9017, 0.3009, 0.3247



77.9017, 0.3168, 0.3227



77.9017, 0.3205, 0.3397

Complementary

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



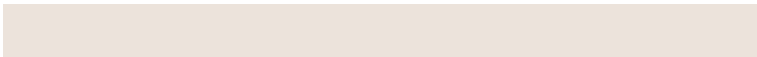
77.9017, 0.3009, 0.3247



74.3993, 0.3254, 0.3333

Split Complementary

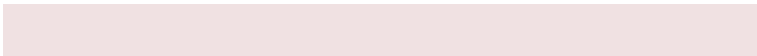
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9017, 0.3241, 0.3375



77.9017, 0.3009, 0.3247



77.9017, 0.3220, 0.3277

Square

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



77.9017, 0.3009, 0.3247



77.9017, 0.3106, 0.3193



77.9017, 0.3247, 0.3331



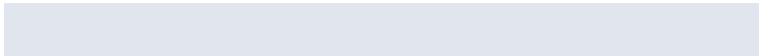
77.9017, 0.3148, 0.3390

Rectangle

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



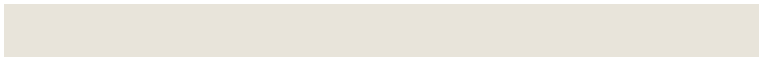
77.9017, 0.3009, 0.3247



77.9017, 0.3035, 0.3188



77.9017, 0.3247, 0.3331



77.9017, 0.3220, 0.3393

Sweetspot

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



77.9050, 0.3009, 0.3247



98.3236, 0.3096, 0.3279



79.3872, 0.3094, 0.3442



21.0629, 0.3098, 0.3280



0.0000, 0.0000, 0.0000



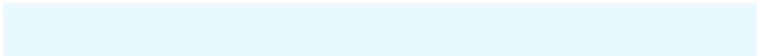
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9050, 0.3009, 0.3247



92.6892, 0.2988, 0.3239



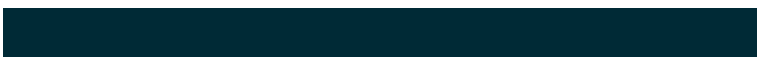
73.0594, 0.3009, 0.3151



16.5202, 0.2981, 0.3236



22.3187, 0.2044, 0.2558



1.8923, 0.2075, 0.2671

Inverse Universe

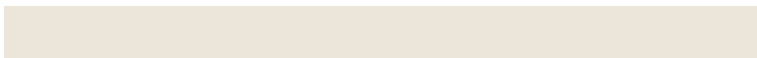
The Inverse Universe completely reimagines the original color for something new.



73.0708, 0.3163, 0.3144



85.8968, 0.3170, 0.3117



79.2141, 0.3245, 0.3425



15.2531, 0.3172, 0.3109



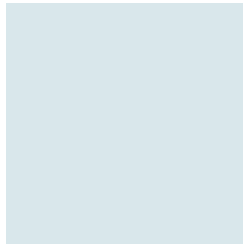
11.7459, 0.3865, 0.1903



0.9364, 0.3756, 0.1843

Previews

White Background



This preview shows how the Yxy color 77.9017, 0.3009, 0.3247 looks on a white background.

Color Contrast Check

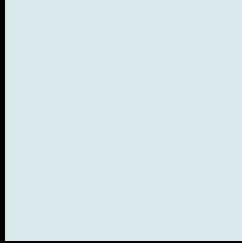
Large Text (above 18pt) WCAG AA × Fail

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 77.9017, 0.3009, 0.3247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

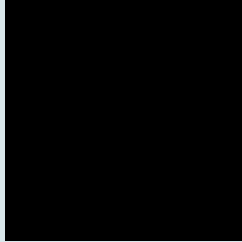
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

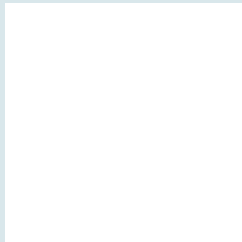
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9017, 0.3009, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 77.9017, 0.3009, 0.3247.

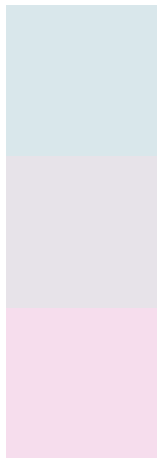


This preview shows how white text looks on a background with the Yxy color 77.9017, 0.3009, 0.3247.

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**

77.9017, 0.3009, 0.3247

Protanopia

77.8103, 0.3116, 0.3227

Deuteranopia

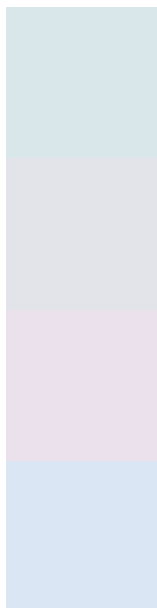
77.4202, 0.3198, 0.3129



Tritanopia

77.8141, 0.2950, 0.3101

Trichromacy



Original Color

77.9017, 0.3009, 0.3247

Protanomaly

77.5961, 0.3076, 0.3227

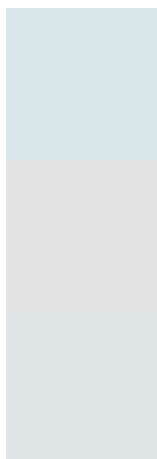
Deuteranomaly

77.5687, 0.3126, 0.3176

Tritanomaly

77.9701, 0.2967, 0.3152

Monochromacy



Original Color

77.9017, 0.3009, 0.3247

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 77.9017, 0.3009, 0.3247 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(217, 231, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 231, 235) }
```

Border

The CSS property to change the border of an element to Yxy 77.9017, 0.3009, 0.3247 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, 235) }
```

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

```
.border{ border-color:rgb(217, 231, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 231, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 231, 235);  
box-shadow:4px 4px 4px 4px rgb(217, 231,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9017, 0.3009, 0.3247 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, 235) }
```

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

```
.background{ background-color: rgb(217,  
231, 235) }
```

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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