

Converting Colors

$Yxy(78.5011, 0.2999, 0.3199)$

Have a look what the booklet for
Yxy(78.5011, 0.2999, 0.3199)
contains.

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Color

Yxy(78.5995, 0.3004, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	DCE7EF
RGB	220, 231, 239
RGB Percent	86%, 91%, 94%
CMY	0.1373, 0.0941, 0.0626
CMYK	0.08, 0.03, 0.00, 0.06
HSL	205°, 37%, 90%
HSV	205°, 8%, 94%
XYZ	73.6702, 78.5995, 92.9706
YIQ	228.6230, -9.1240, 0.1560

Conversions

Conversions Part 2

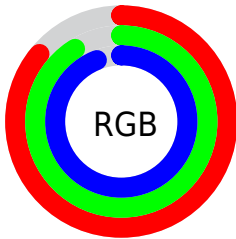
Format	Color
RYP	220, 227, 239
Decimal	14477295
CIELab	91.05, -2.14, -5.17
CIElCh	91, 5.593, 247.465
Yxy	78.5995, 0.3004, 0.3205
Android (android.graphics.Color)	4292667375 (0xFFDCE7EF)
YUV	228.6230, 5.1159, -7.5624
Hunter-Lab	88.6564, -6.8217, -0.1157

Details

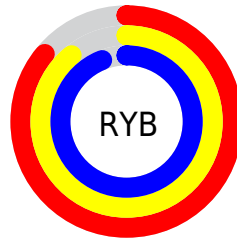
The Yxy color **78.5995, 0.3004, 0.3205** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.0114, 0.3256, 0.3374**, and the grayscale version is **78.0312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0782, 0.2977, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **69.6619, 0.2846, 0.3088**, and if you desaturate by 10%, it is **88.4011, 0.3158, 0.3310**.

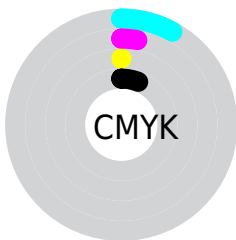
Distribution



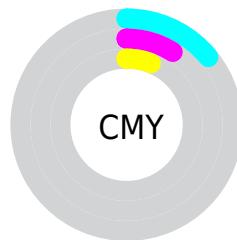
- Red (86%)
- Green (91%)
- Blue (94%)



- Red (86%)
- Yellow (89%)
- Blue (94%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (14%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5995, 0.3004, 0.3205 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 78.5995, 0.3004, 0.3205 by changing the saturation by 10% instead.

■ 78.5995, 0.3004,
0.3205

■ 78.5995, 0.3004,
0.3205

490.2004, 0.3060,
0.3244

■ 58.5666, 0.2991,
0.3196

131.3949, 0.3023,
0.3218

■ 42.2643, 0.2976,
0.3185

164.9261, 0.3031,
0.3224

■ 29.3083, 0.2956,
0.3172

203.7256, 0.3037,
0.3228

■ 19.3142, 0.2931,
0.3154

248.1778, 0.3043,
0.3232

■ 11.8975, 0.2897,
0.3130

298.6669, 0.3048,
0.3236

■ 6.6739, 0.2849,
0.3095

355.5775, 0.3053,

■ 3.2590, 0.2776,

0.3239

0.3042

419.2938, 0.3057,
0.3242

■ 1.2684, 0.2651,
0.2949

■ 0.1165, 0.0881,
0.1758

■ 78.5995, 0.3004,
0.3205

■ 78.5995, 0.3004,
0.3205

■ 69.6619, 0.2846,
0.3088

■ 88.4011, 0.3158,
0.3310

■ 61.5503, 0.2687,
0.2958

■ 96.5763, 0.3223,
0.3407

■ 54.2386, 0.2529,
0.2817

■ 99.0137, 0.3220,
0.3444

■ 47.6949, 0.2377,
0.2666

■ 41.8849, 0.2236,
0.2508

■ 36.7708, 0.2109,
0.2343

■ 32.3106, 0.2002,
0.2178

■ 28.4553, 0.1916,
0.2014

■ 25.1400, 0.1852,
0.1856

Harmonies

Analogous

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



78.5995, 0.3004, 0.3254



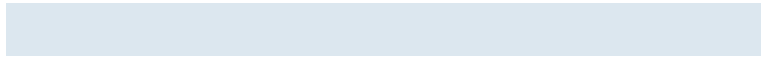
78.5995, 0.3004, 0.3205



78.5995, 0.3037, 0.3180

Triad

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



78.5995, 0.3004, 0.3205



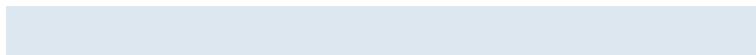
78.5995, 0.3218, 0.3267



78.5995, 0.3160, 0.3399

Complementary

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



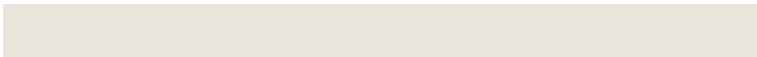
78.5995, 0.3004, 0.3205



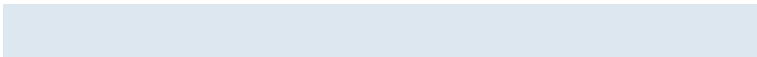
79.0114, 0.3256, 0.3374

Split Complementary

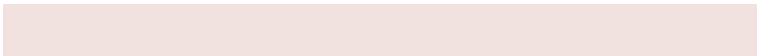
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5995, 0.3218, 0.3402



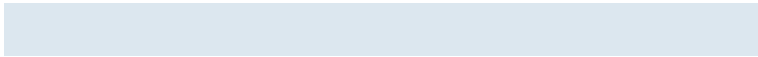
78.5995, 0.3004, 0.3205



78.5995, 0.3252, 0.3325

Square

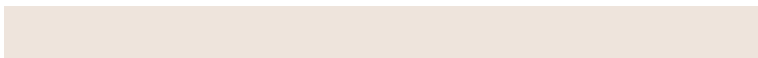
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5995, 0.3004, 0.3205



78.5995, 0.3160, 0.3215



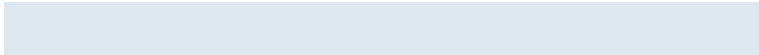
78.5995, 0.3252, 0.3374



78.5995, 0.3094, 0.3367

Rectangle

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



78.5995, 0.3004, 0.3205



78.5995, 0.3073, 0.3179



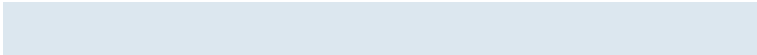
78.5995, 0.3252, 0.3374



78.5995, 0.3181, 0.3404

Sweetspot

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



78.6028, 0.3004, 0.3205



97.6827, 0.3096, 0.3269



82.5597, 0.3070, 0.3407



20.9325, 0.3098, 0.3270



0.0000, 0.0000, 0.0000



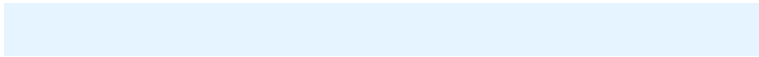
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6028, 0.3004, 0.3205



88.8186, 0.2972, 0.3182



73.4615, 0.3004, 0.3104



16.7486, 0.2980, 0.3188



13.8089, 0.1847, 0.1849



1.3452, 0.1905, 0.2057

Inverse Universe

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



75.3034, 0.3190, 0.3176



84.1232, 0.3207, 0.3146



84.3464, 0.3247, 0.3470



15.9123, 0.3203, 0.3154



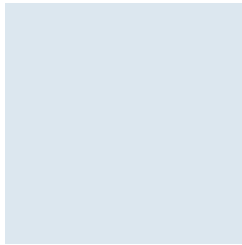
11.1874, 0.4627, 0.2322



0.9505, 0.4389, 0.2191

Previews

White Background



This preview shows how the Yxy color 78.5995, 0.3004, 0.3205 looks on a white background.

Color Contrast Check

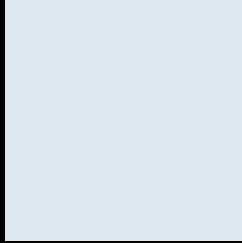
Large Text (above 18pt) WCAG AA × Fail

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 78.5995, 0.3004, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

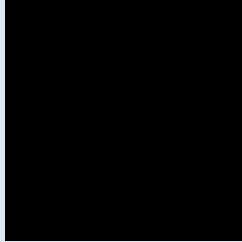
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

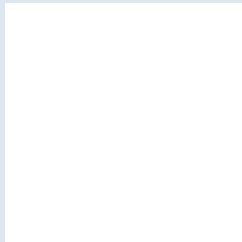
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5995, 0.3004, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 78.5995, 0.3004, 0.3205.

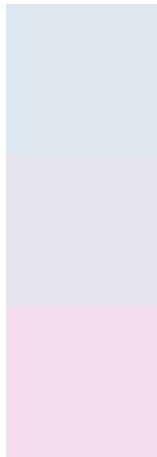


This preview shows how white text looks on a background with the Yxy color 78.5995, 0.3004, 0.3205.

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

78.5995, 0.3004, 0.3205

Protanopia

78.5902, 0.3091, 0.3197

Deuteranopia

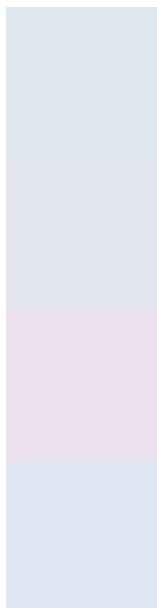
78.1863, 0.3171, 0.3099



Tritanopia

78.7431, 0.2957, 0.3102

Trichromacy



Original Color

78.5995, 0.3004, 0.3205

Protanomaly

78.5426, 0.3057, 0.3196

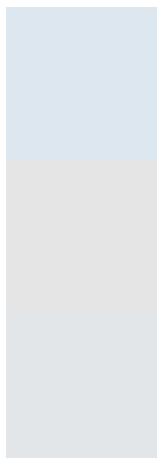
Deuteranomaly

78.1462, 0.3114, 0.3136

Tritanomaly

78.5584, 0.2975, 0.3133

Monochromacy



Original Color

78.5995, 0.3004, 0.3205

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.6456, 0.3081, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5995, 0.3004, 0.3205 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(220, 231, 239)` looks like.

```
.text, #text, p{  
    color:rgb(220, 231, 239)  
}
```

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(220, 231, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 231, 239) }
```

Border

The CSS property to change the border of an element to Yxy 78.5995, 0.3004, 0.3205 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(220, 231, 239) }
```

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

```
.border{ border-color:rgb(220, 231, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 231, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 231, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 231, 239);  
box-shadow:4px 4px 4px 4px rgb(220, 231,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5995, 0.3004, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 231, 239) }
```

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

```
.background{ background-color: rgb(220,  
231, 239) }
```

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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