

Converting Colors

$Yxy(76.7462, 0.3026, 0.3200)$

Have a look what the booklet for
Yxy(76.7462, 0.3026, 0.3200)
contains.

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Color

Yxy(76.9151, 0.3029, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	DDE4EC
RGB	221, 228, 236
RGB Percent	87%, 89%, 93%
CMY	0.1335, 0.1058, 0.0745
CMYK	0.06, 0.03, 0.00, 0.07
HSL	212°, 28%, 90%
HSV	212°, 6%, 93%
XYZ	72.6914, 76.9151, 90.3782
YIQ	226.8190, -6.7400, 1.0040

Conversions

Conversions Part 2

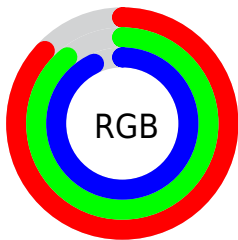
Format	Color
RYB	221, 226, 236
Decimal	14542060
CIELab	90.28, -0.87, -4.71
CIELCh	90, 4.793, 259.582
Yxy	76.9151, 0.3029, 0.3205
Android (android.graphics.Color)	4292732140 (0xFFDDE4EC)
YUV	226.8190, 4.5262, -5.1033
Hunter-Lab	87.7013, -5.5271, 0.2911

Details

The Yxy color **76.9151, 0.3029, 0.3205** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.0569, 0.3228, 0.3374**, and the grayscale version is **76.6448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2894, 0.3009, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **66.8295, 0.2869, 0.3059**, and if you desaturate by 10%, it is **88.0268, 0.3181, 0.3335**.

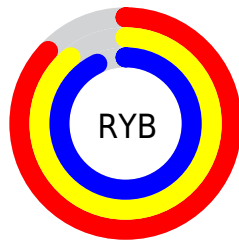
Distribution



Red (87%)

Green (89%)

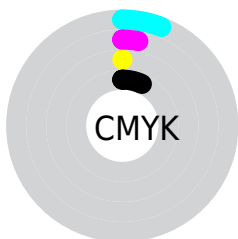
Blue (93%)



Red (87%)

Yellow (89%)

Blue (93%)

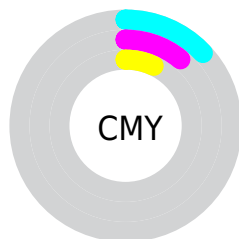


Cyan (6%)

Magenta (3%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9151, 0.3029, 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 76.9151, 0.3029, 0.3205 by changing the saturation by 10% instead.

■ 76.9151, 0.3029,
0.3205

■ 76.9151, 0.3029,
0.3205

484.4745, 0.3074,
0.3244

■ 57.1832, 0.3019,
0.3196

129.0196, 0.3045,
0.3219

■ 41.1523, 0.3006,
0.3185

162.1610, 0.3051,
0.3224

■ 28.4381, 0.2991,
0.3171

200.5411, 0.3056,
0.3228

■ 18.6562, 0.2970,
0.3154

244.5442, 0.3060,
0.3232

■ 11.4221, 0.2942,
0.3129

294.5546, 0.3064,
0.3236

■ 6.3515, 0.2903,
0.3094

350.9569, 0.3068,

■ 3.0600, 0.2842,

0.3239

0.3041

414.1354, 0.3071,
0.3242

■ 1.1631, 0.2737,
0.2946

■ 0.0313, 0.0212,
0.0775

■ 76.9151, 0.3029,
0.3205

■ 76.9151, 0.3029,
0.3205

■ 66.8295, 0.2869,
0.3059

■ 88.0268, 0.3181,
0.3335

■ 57.7282, 0.2704,
0.2897

■ 97.6054, 0.3240,
0.3455

■ 49.5805, 0.2537,
0.2719

■ 98.8367, 0.3238,
0.3473

■ 42.3501, 0.2372,
0.2528

■ 35.9983, 0.2214,
0.2326

■ 30.4827, 0.2068,
0.2118

■ 25.7567, 0.1941,
0.1909

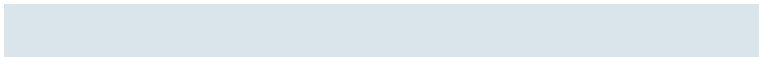
■ 21.7671, 0.1838,
0.1707

■ 18.4502, 0.1760,
0.1516

Harmonies

Analogous

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



76.9151, 0.3017, 0.3240



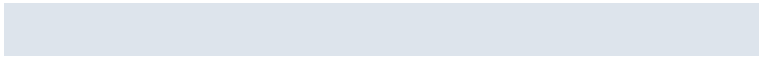
76.9151, 0.3029, 0.3205



76.9151, 0.3067, 0.3193

Triad

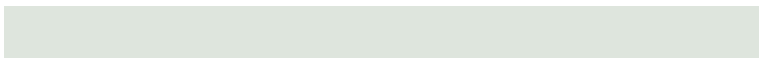
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9151, 0.3029, 0.3205



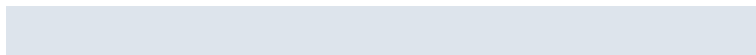
76.9151, 0.3221, 0.3290



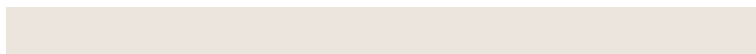
76.9151, 0.3132, 0.3376

Complementary

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



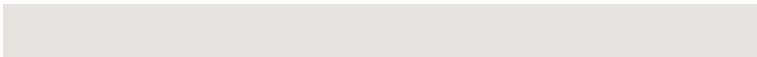
76.9151, 0.3029, 0.3205



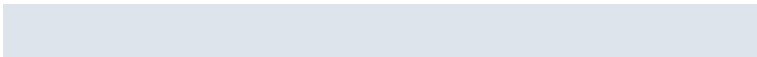
79.0569, 0.3228, 0.3374

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.



76.9151, 0.3187, 0.3389



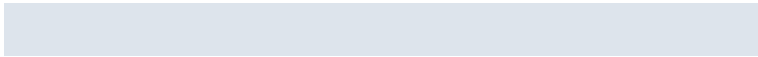
76.9151, 0.3029, 0.3205



76.9151, 0.3239, 0.3339

Square

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



76.9151, 0.3029, 0.3205



76.9151, 0.3178, 0.3242



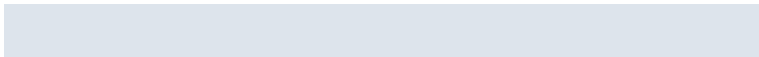
76.9151, 0.3226, 0.3375



76.9151, 0.3077, 0.3339

Rectangle

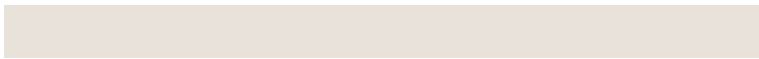
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9151, 0.3029, 0.3205



76.9151, 0.3102, 0.3199



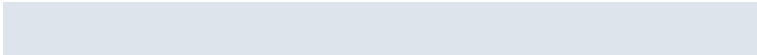
76.9151, 0.3226, 0.3375



76.9151, 0.3152, 0.3383

Sweetspot

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



76.9184, 0.3029, 0.3205



97.3314, 0.3097, 0.3264



81.0028, 0.3072, 0.3367



20.8610, 0.3098, 0.3265



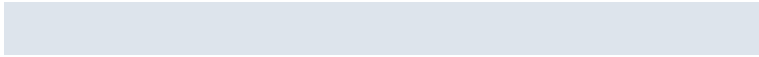
0.0000, 0.0000, 0.0000



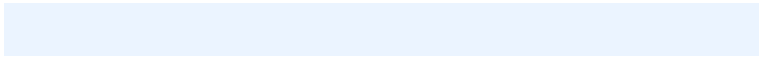
21.4041, 0.3127, 0.3290

Same Dimension

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



76.9184, 0.3029, 0.3205



89.6226, 0.3003, 0.3182



73.1456, 0.3032, 0.3129



15.7151, 0.2980, 0.3162



9.8357, 0.1745, 0.1480



0.9635, 0.1817, 0.1740

Inverse Universe

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



75.1226, 0.3187, 0.3216



86.9903, 0.3204, 0.3197



83.0061, 0.3220, 0.3446



15.1718, 0.3219, 0.3180



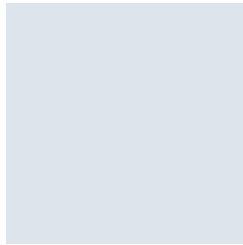
10.4857, 0.5085, 0.2575



0.8427, 0.4758, 0.2395

Previews

White Background



This preview shows how the Yxy color 76.9151, 0.3029, 0.3205 looks on a white background.

Color Contrast Check

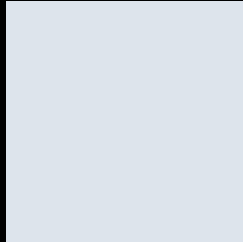
Large Text (above 18pt) WCAG AA × Fail

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 76.9151, 0.3029, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

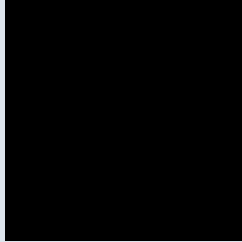
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

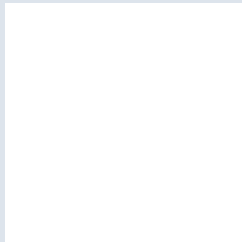
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9151, 0.3029, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 76.9151, 0.3029, 0.3205.

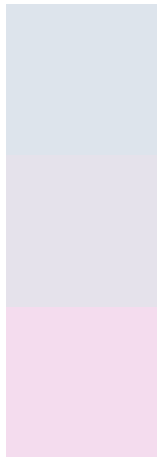


This preview shows how white text looks on a background with the Yxy color 76.9151, 0.3029, 0.3205.

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

76.9151, 0.3029, 0.3205

Protanopia

77.0489, 0.3090, 0.3196

Deuteranopia

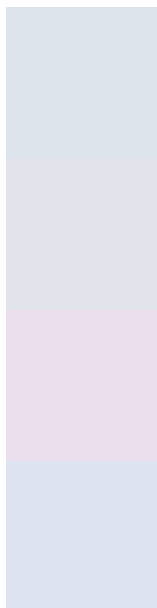
76.5925, 0.3178, 0.3108



Tritanopia

77.0603, 0.2981, 0.3101

Trichromacy



Original Color

76.9151, 0.3029, 0.3205

Protanomaly

77.1051, 0.3070, 0.3206

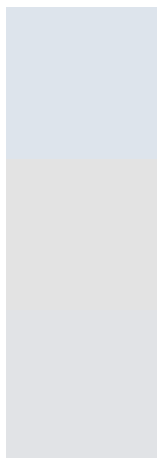
Deuteranomaly

76.7226, 0.3127, 0.3146

Tritanomaly

76.8786, 0.2999, 0.3132

Monochromacy



Original Color

76.9151, 0.3029, 0.3205

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.6589, 0.3094, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9151, 0.3029, 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(221, 228, 236)` looks like.

```
.text, #text, p{  
    color:rgb(221, 228, 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(221, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 228, 236) }
```

Border

The CSS property to change the border of an element to Yxy 76.9151, 0.3029, 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(221, 228, 236) }
```

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

```
.border{ border-color:rgb(221, 228, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 228, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 228, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 228, 236);  
box-shadow:4px 4px 4px 4px rgb(221, 228,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9151, 0.3029, 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(221, 228, 236) }
```

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

```
.background{ background-color: rgb(221,  
228, 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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