

Converting Colors

$Yxy(77.3031, 0.3026, 0.3221)$

Have a look what the booklet for
Yxy(77.3031, 0.3026, 0.3221)
contains.

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Color

Yxy(77.3104, 0.3023, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	DCE5EC
RGB	220, 229, 236
RGB Percent	86%, 90%, 93%
CMY	0.1370, 0.1020, 0.0744
CMYK	0.07, 0.03, 0.00, 0.07
HSL	206°, 30%, 89%
HSV	206°, 7%, 93%
XYZ	72.6934, 77.3104, 90.4640
YIQ	227.1070, -7.6110, 0.2690

Conversions

Conversions Part 2

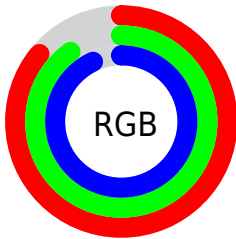
Format	Color
RYP	220, 226, 236
Decimal	14476780
CIELab	90.46, -1.65, -4.46
CIElCh	90, 4.754, 249.744
Yxy	77.3104, 0.3023, 0.3215
Android (android.graphics.Color)	4292666860 (0xFFDCE5EC)
YUV	227.1070, 4.3842, -6.2328
Hunter-Lab	87.9263, -6.2956, 0.5473

Details

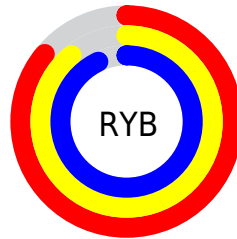
The Yxy color **77.3104, 0.3023, 0.3215** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.0082, 0.3235, 0.3364**, and the grayscale version is **76.8797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5667, 0.3001, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **68.2928, 0.2865, 0.3093**, and if you desaturate by 10%, it is **87.2006, 0.3176, 0.3324**.

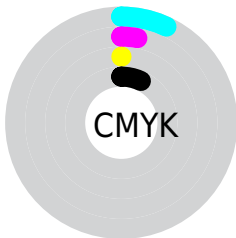
Distribution



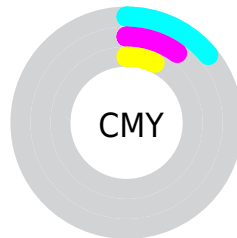
- Red (86%)
- Green (90%)
- Blue (93%)



- Red (86%)
- Yellow (89%)
- Blue (93%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (14%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3104, 0.3023, 0.3215 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 77.3104, 0.3023, 0.3215 by changing the saturation by 10% instead.

■ 77.3104, 0.3023,
0.3215

■ 77.3104, 0.3023,
0.3215

485.8217, 0.3071,
0.3250

■ 57.5077, 0.3012,
0.3207

129.5775, 0.3039,
0.3227

■ 41.4130, 0.2999,
0.3198

162.8108, 0.3046,
0.3232

■ 28.6419, 0.2982,
0.3185

201.2896, 0.3051,
0.3236

■ 18.8101, 0.2961,
0.3169

245.3984, 0.3056,
0.3239

■ 11.5331, 0.2932,
0.3148

295.5216, 0.3060,
0.3242

■ 6.4266, 0.2890,
0.3117

352.0437, 0.3064,

■ 3.1062, 0.2826,

0.3245

0.3069

415.3489, 0.3068,
0.3247

■ 1.1874, 0.2716,
0.2985

■ 0.0514, 0.0203,
0.1201

■ 77.3104, 0.3023,
0.3215

■ 77.3104, 0.3023,
0.3215

■ 68.2928, 0.2865,
0.3093

■ 87.2006, 0.3176,
0.3324

■ 60.1101, 0.2705,
0.2959

■ 95.5761, 0.3243,
0.3424

■ 52.7364, 0.2545,
0.2813

■ 98.8374, 0.3238,
0.3473

■ 46.1403, 0.2390,
0.2655

■ 40.2878, 0.2245,
0.2489

■ 35.1420, 0.2113,
0.2317

■ 30.6616, 0.2000,
0.2143

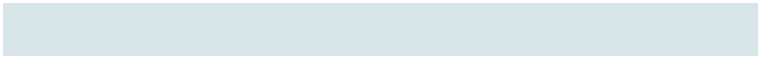
■ 26.7993, 0.1908,
0.1972

■ 23.4964, 0.1840,
0.1806

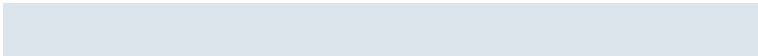
Harmonies

Analogous

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



77.3104, 0.3021, 0.3255



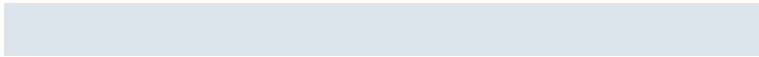
77.3104, 0.3023, 0.3215



77.3104, 0.3053, 0.3195

Triad

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



77.3104, 0.3023, 0.3215



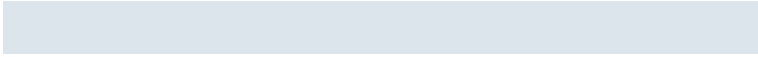
77.3104, 0.3208, 0.3274



77.3104, 0.3151, 0.3382

Complementary

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



77.3104, 0.3023, 0.3215



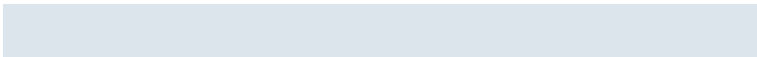
78.0082, 0.3235, 0.3364

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.



77.3104, 0.3202, 0.3386



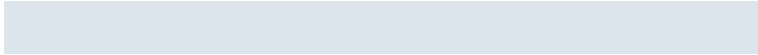
77.3104, 0.3023, 0.3215



77.3104, 0.3235, 0.3323

Square

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



77.3104, 0.3023, 0.3215



77.3104, 0.3160, 0.3229



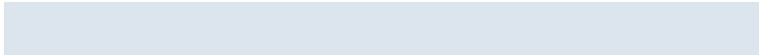
77.3104, 0.3232, 0.3365



77.3104, 0.3094, 0.3353

Rectangle

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



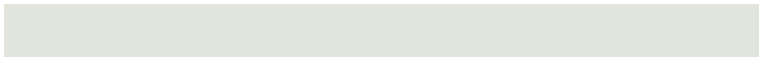
77.3104, 0.3023, 0.3215



77.3104, 0.3085, 0.3196



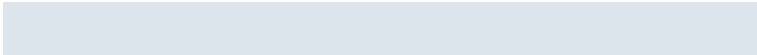
77.3104, 0.3232, 0.3365



77.3104, 0.3169, 0.3386

Sweetspot

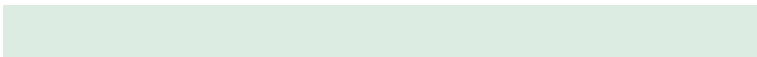
The Sweet Spot groups the original color and five complimentary colors.



77.3137, 0.3023, 0.3215



97.6176, 0.3096, 0.3268



80.7763, 0.3077, 0.3386



20.9192, 0.3098, 0.3269



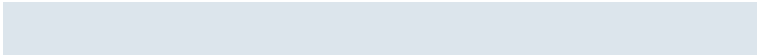
0.0000, 0.0000, 0.0000



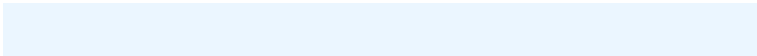
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3137, 0.3023, 0.3215



90.7229, 0.3003, 0.3200



73.0698, 0.3024, 0.3131



15.9447, 0.2981, 0.3183



12.6718, 0.1828, 0.1780



1.1863, 0.1891, 0.2008

Inverse Universe

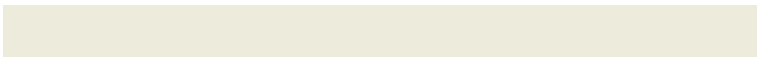
The Inverse Universe completely reimagines the original color for something new.



74.7180, 0.3182, 0.3197



87.1014, 0.3193, 0.3179



82.4014, 0.3228, 0.3445



15.1950, 0.3205, 0.3159



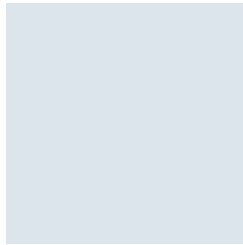
10.7720, 0.4709, 0.2368



0.8652, 0.4444, 0.2222

Previews

White Background



This preview shows how the Yxy color 77.3104, 0.3023, 0.3215 looks on a white background.

Color Contrast Check

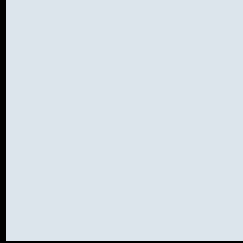
Large Text (above 18pt) WCAG AA × Fail

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 77.3104, 0.3023, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

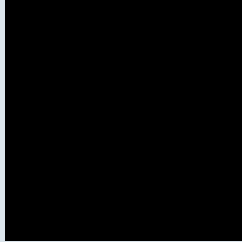
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

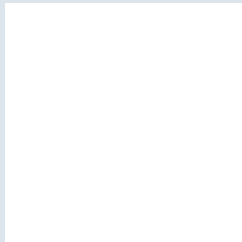
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3104, 0.3023, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 77.3104, 0.3023, 0.3215.

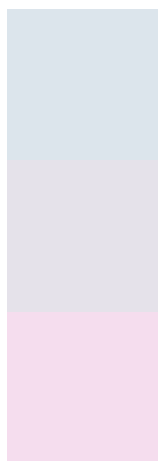


This preview shows how white text looks on a background with the Yxy color 77.3104, 0.3023, 0.3215.

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

77.3104, 0.3023, 0.3215

Protanopia

76.9912, 0.3097, 0.3206

Deuteranopia

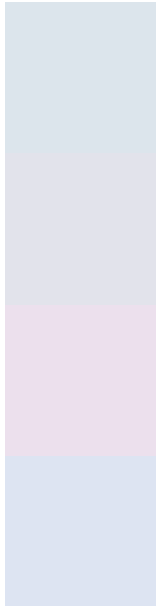
77.2984, 0.3185, 0.3118



Tritanopia

77.1216, 0.2975, 0.3091

Trichromacy



Original Color

77.3104, 0.3023, 0.3215

Protanomaly

77.1051, 0.3070, 0.3206

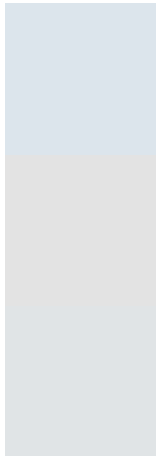
Deuteranomaly

77.2586, 0.3126, 0.3156

Tritanomaly

77.2698, 0.2993, 0.3142

Monochromacy



Original Color

77.3104, 0.3023, 0.3215

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.0473, 0.3087, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3104, 0.3023, 0.3215 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, 229, 236)` looks like.

```
.text, #text, p{  
    color:rgb(220, 229, 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(220, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 229, 236) }
```

Border

The CSS property to change the border of an element to Yxy 77.3104, 0.3023, 0.3215 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, 229, 236) }
```

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

```
.border{ border-color:rgb(220, 229, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 229,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3104, 0.3023, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 229, 236) }
```

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

```
.background{ background-color: rgb(220,  
229, 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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