

Converting Colors

$Yxy(78.0938, 0.2944, 0.3081)$

Have a look what the booklet for
Yxy(78.0938, 0.2944, 0.3081)
contains.

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Color

Yxy(78.0938, 0.2944, 0.3081)

Conversions

Conversions Part 1

Format	Color
Hex	DCE5F9
RGB	220, 229, 249
RGB Percent	86%, 90%, 98%
CMY	0.1374, 0.1019, 0.0236
CMYK	0.12, 0.08, 0.00, 0.02
HSL	221°, 71%, 92%
HSV	221°, 12%, 98%
XYZ	74.6213, 78.0938, 100.7539
YIQ	228.5890, -11.7840, 4.3120

Conversions

Conversions Part 2

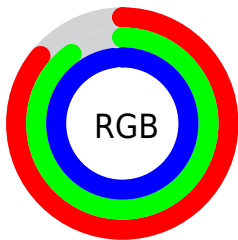
Format	Color
R _Y B	220, 227, 249
Decimal	14476793
CIE Lab	90.82, 0.82, -10.72
CIE LCh	91, 10.747, 274.356
Yxy	78.0938, 0.2944, 0.3081
Android (android.graphics.Color)	4292666873 (0xFFDCE5F9)
YUV	228.5890, 10.0626, -7.5326
Hunter-Lab	88.3707, -3.9212, -5.7387

Details

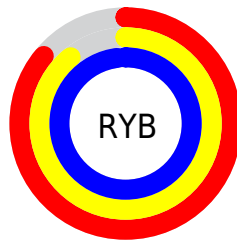
The Yxy color **78.0938, 0.2944, 0.3081** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87.5788, 0.3313, 0.3491**, and the grayscale version is **77.9651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1217, 0.2901, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **65.4827, 0.2775, 0.2878**, and if you desaturate by 10%, it is **92.2249, 0.3102, 0.3262**.

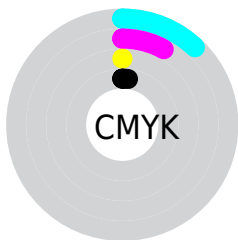
Distribution



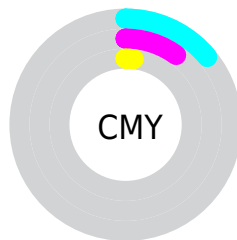
- Red (86%)
- Green (90%)
- Blue (98%)



- Red (86%)
- Yellow (89%)
- Blue (98%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (14%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0938, 0.2944, 0.3081 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 78.0938, 0.2944, 0.3081 by changing the saturation by 10% instead.

■ 78.0938, 0.2944,
0.3081

■ 78.0938, 0.2944,
0.3081

488.4853, 0.3028,
0.3176

■ 58.1510, 0.2925,
0.3060

130.6823, 0.2973,
0.3114

■ 41.9301, 0.2902,
0.3034

164.0969, 0.2984,
0.3126

■ 29.0465, 0.2873,
0.3001

202.7709, 0.2994,
0.3138

■ 19.1160, 0.2836,
0.2958

247.0886, 0.3002,
0.3147

■ 11.7542, 0.2785,
0.2901

297.4345, 0.3010,
0.3156

■ 6.5765, 0.2714,
0.2821

354.1930, 0.3016,

■ 3.1987, 0.2606,

0.3163

0.2700

417.7485, 0.3022,
0.3170

■ 1.2363, 0.2424,
0.2497

■ 0.0911, 0.1018,
0.0871

■ 78.0938, 0.2944,
0.3081

■ 78.0938, 0.2944,
0.3081

■ 65.4827, 0.2775,
0.2878

■ 92.2249, 0.3102,
0.3262

■ 54.3293, 0.2596,
0.2653

■ 99.6189, 0.3162,
0.3347

■ 44.5814, 0.2413,
0.2408

■ 36.1795, 0.2231,
0.2149

■ 29.0597, 0.2057,
0.1883

■ 23.1523, 0.1900,
0.1619

■ 18.3797, 0.1768,
0.1372

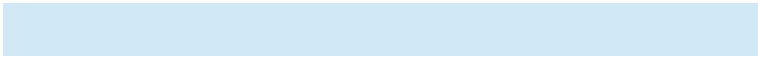
■ 14.6531, 0.1669,
0.1152

■ 12.2505, 0.1610,
0.0996

Harmonies

Analogous

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



78.0938, 0.2888, 0.3133



78.0938, 0.2944, 0.3081



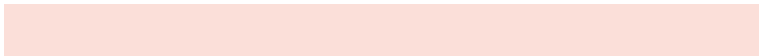
78.0938, 0.3049, 0.3084

Triad

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



78.0938, 0.2944, 0.3081



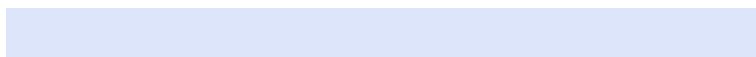
78.0938, 0.3365, 0.3343



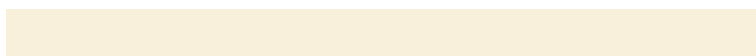
78.0938, 0.3075, 0.3448

Complementary

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



78.0938, 0.2944, 0.3081



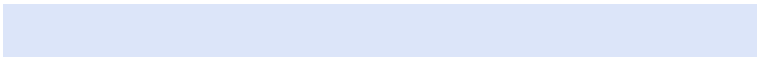
87.5788, 0.3313, 0.3491

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.



78.0938, 0.3202, 0.3506



78.0938, 0.2944, 0.3081



78.0938, 0.3371, 0.3442

Square

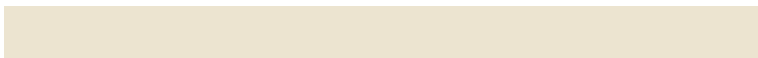
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0938, 0.2944, 0.3081



78.0938, 0.3293, 0.3233



78.0938, 0.3311, 0.3503



78.0938, 0.2963, 0.3346

Rectangle

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



78.0938, 0.2944, 0.3081



78.0938, 0.3133, 0.3116



78.0938, 0.3311, 0.3503



78.0938, 0.3117, 0.3474

Sweetspot

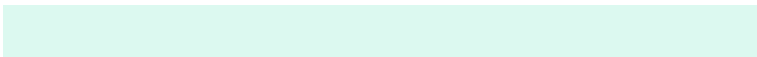
The Sweet Spot groups the original color and five complimentary colors.



78.0971, 0.2944, 0.3081



95.2666, 0.3082, 0.3239



89.2330, 0.2999, 0.3385



20.1256, 0.3069, 0.3225



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.



78.0971, 0.2944, 0.3081



79.1688, 0.2905, 0.3035



74.0537, 0.2978, 0.2987



17.5271, 0.2979, 0.3122



6.7802, 0.1618, 0.1024



0.8085, 0.1683, 0.1257

Inverse Universe

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



76.9587, 0.3275, 0.3199



77.8180, 0.3309, 0.3179



92.0838, 0.3266, 0.3582



17.3145, 0.3245, 0.3216



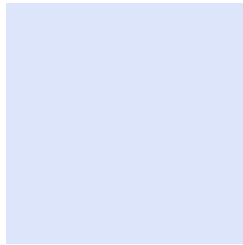
11.0954, 0.5723, 0.2926



1.0458, 0.5387, 0.2741

Previews

White Background



This preview shows how the Yxy color 78.0938, 0.2944, 0.3081 looks on a white background.

Color Contrast Check

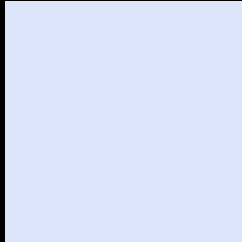
Large Text (above 18pt) WCAG AA × Fail

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 78.0938, 0.2944, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

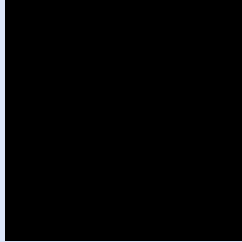
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0938, 0.2944, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 78.0938, 0.2944, 0.3081.



This preview shows how white text looks on a background with the Yxy color 78.0938, 0.2944, 0.3081.

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

78.0938, 0.2944, 0.3081

Protanopia

78.0464, 0.2996, 0.3073

Deuteranopia

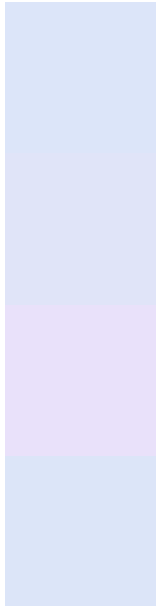
77.8455, 0.3078, 0.3008



Tritanopia

77.9697, 0.2956, 0.3101

Trichromacy



Original Color

78.0938, 0.2944, 0.3081

Protanomaly

78.1114, 0.2976, 0.3082

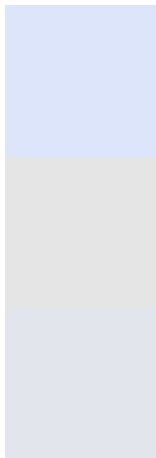
Deuteranomaly

78.0762, 0.3023, 0.3035

Tritanomaly

78.0316, 0.2950, 0.3091

Monochromacy



Original Color

78.0938, 0.2944, 0.3081

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.2635, 0.3063, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0938, 0.2944, 0.3081 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(220, 229, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 229, 249) }
```

Border

The CSS property to change the border of an element to Yxy 78.0938, 0.2944, 0.3081 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, 249) }
```

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

```
.border{ border-color:rgb(220, 229, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 229, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 229, 249);  
box-shadow:4px 4px 4px 4px rgb(220, 229,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0938, 0.2944, 0.3081 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, 249) }
```

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

```
.background{ background-color: rgb(220,  
229, 249) }
```

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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