

# Converting Colors

$Yxy(78.5147, 0.2968, 0.3178)$

Have a look what the booklet for  
Yxy(78.5147, 0.2968, 0.3178)  
contains.

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# Color

**Yxy(78.3143, 0.2967, 0.3173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9E7F2
RGB	217, 231, 242
RGB Percent	85%, 91%, 95%
CMY	0.1488, 0.0942, 0.0509
CMYK	0.10, 0.05, 0.00, 0.05
HSL	206°, 49%, 90%
HSV	206°, 10%, 95%
XYZ	73.2299, 78.3143, 95.2705
YIQ	228.0680, -11.8750, 0.4530

# Conversions

## Conversions Part 2

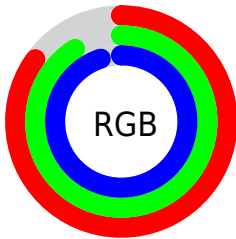
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 226, 242
Decimal	14280690
CIE Lab	90.92, -2.50, -6.94
CIE LCh	91, 7.378, 250.182
Yxy	78.3143, 0.2967, 0.3173
Android (android.graphics.Color)	4292470770 (0xFFD9E7F2)
YUV	228.0680, 6.8685, -9.7066
Hunter-Lab	88.4954, -7.1581, -1.8824

# Details

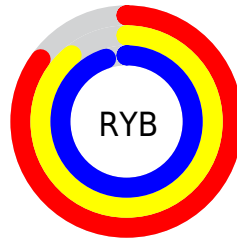
The Yxy color **78.3143, 0.2967, 0.3173** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.4180, 0.3297, 0.3404**, and the grayscale version is **77.5982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8865, 0.2929, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **69.0759, 0.2808, 0.3047**, and if you desaturate by 10%, it is **88.4683, 0.3122, 0.3287**.

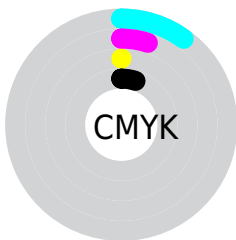
# Distribution



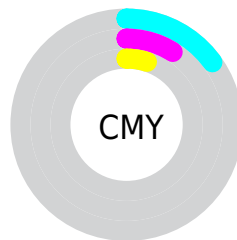
- Red (85%)
- Green (91%)
- Blue (95%)



- Red (85%)
- Yellow (89%)
- Blue (95%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (9%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3143, 0.2967, 0.3173 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 78.3143, 0.2967, 0.3173 by changing the saturation by 10% instead.



■ 78.3143, 0.2967,  
0.3173

■ 78.3143, 0.2967,  
0.3173

489.2336, 0.3040,  
0.3227

■ 58.3322, 0.2951,  
0.3161

130.9931, 0.2992,  
0.3192

■ 42.0758, 0.2931,  
0.3146

164.4586, 0.3002,  
0.3199

■ 29.1606, 0.2905,  
0.3127

203.1873, 0.3010,  
0.3205

■ 19.2024, 0.2873,  
0.3102

247.5637, 0.3018,  
0.3211

■ 11.8166, 0.2829,  
0.3069

297.9721, 0.3024,  
0.3215

■ 6.6189, 0.2767,  
0.3022

354.7970, 0.3030,

■ 3.2249, 0.2672,

0.3220

0.2948

418.4227, 0.3035,  
0.3223

■ 1.2503, 0.2512,  
0.2821

■ 0.1022, 0.0491,  
0.1391

■ 78.3143, 0.2967,  
0.3173

■ 78.3143, 0.2967,  
0.3173

■ 69.0759, 0.2808,  
0.3047

■ 88.4683, 0.3122,  
0.3287

■ 60.7133, 0.2647,  
0.2908

■ 97.5200, 0.3205,  
0.3390

■ 53.1977, 0.2488,  
0.2757

■ 99.1916, 0.3203,  
0.3415

■ 46.4950, 0.2336,  
0.2596

■ 40.5680, 0.2195,  
0.2427

■ 35.3759, 0.2069,  
0.2253

■ 30.8728, 0.1964,  
0.2080

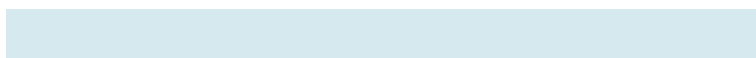
■ 27.0051, 0.1881,  
0.1909

■ 23.7838, 0.1820,  
0.1751

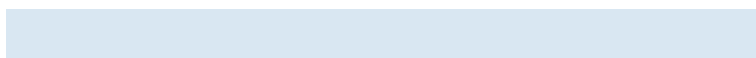
# Harmonies

## Analogous

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



78.3143, 0.2963, 0.3235



78.3143, 0.2967, 0.3173



78.3143, 0.3013, 0.3143

# Triad

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



78.3143, 0.2967, 0.3173



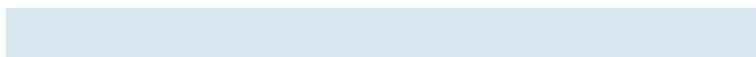
78.3143, 0.3253, 0.3266



78.3143, 0.3162, 0.3433

# Complementary

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



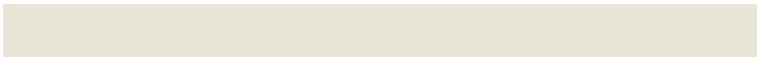
78.3143, 0.2967, 0.3173



79.4180, 0.3297, 0.3404

# 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.



78.3143, 0.3241, 0.3439



78.3143, 0.2967, 0.3173



78.3143, 0.3294, 0.3342

# Square

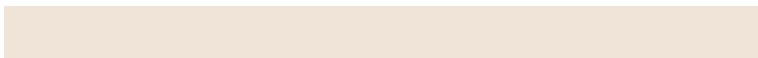
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3143, 0.2967, 0.3173



78.3143, 0.3178, 0.3197



78.3143, 0.3290, 0.3405



78.3143, 0.3075, 0.3386



# Rectangle

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



78.3143, 0.2967, 0.3173



78.3143, 0.3062, 0.3145



78.3143, 0.3290, 0.3405



78.3143, 0.3191, 0.3440

# Sweetspot

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



78.3176, 0.2967, 0.3173



96.4417, 0.3081, 0.3257



83.8656, 0.3050, 0.3440



20.4424, 0.3069, 0.3248



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

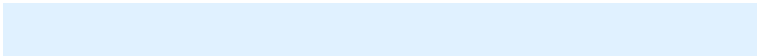


# Same Dimension

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



78.3176, 0.2967, 0.3173



86.3320, 0.2940, 0.3152



71.6842, 0.2965, 0.3040



16.6931, 0.2980, 0.3183



13.0524, 0.1827, 0.1778



1.2838, 0.1887, 0.1995



# Inverse Universe

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



74.2995, 0.3213, 0.3147



81.1667, 0.3229, 0.3122



86.4180, 0.3283, 0.3528



15.9067, 0.3206, 0.3159



11.1110, 0.4712, 0.2369

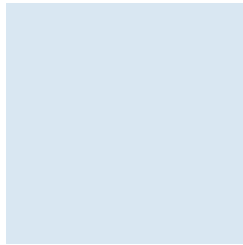


0.9443, 0.4459, 0.2230



# Previews

## White Background



This preview shows how the Yxy color 78.3143, 0.2967, 0.3173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

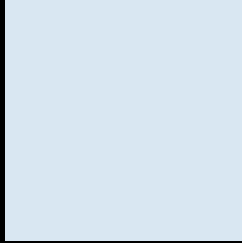
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3143, 0.2967, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

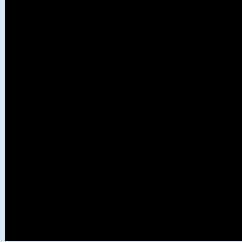
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

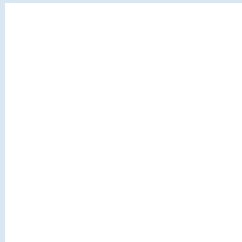
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.3143, 0.2967, 0.3173**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3143, 0.2967, 0.3173.



This preview shows how white text looks on a background with the Yxy color 78.3143, 0.2967, 0.3173.

# 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

78.3143, 0.2967, 0.3173

### Protanopia

78.0524, 0.3065, 0.3155

### Deuteranopia

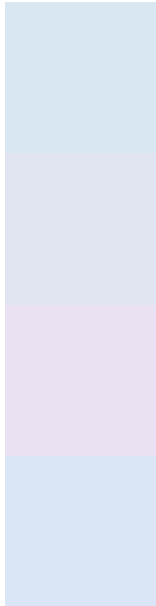
78.0073, 0.3138, 0.3069



## Tritanopia

78.2764, 0.2938, 0.3101

# Trichromacy



## Original Color

78.3143, 0.2967, 0.3173

## Protanomaly

77.8452, 0.3025, 0.3154

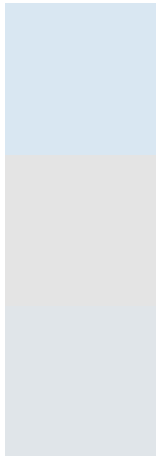
## Deuteranomaly

77.8139, 0.3074, 0.3105

## Tritanomaly

78.1529, 0.2949, 0.3121

# Monochromacy



## Original Color

78.3143, 0.2967, 0.3173

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.7691, 0.3068, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3143, 0.2967, 0.3173 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(217, 231, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 231, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3143, 0.2967, 0.3173 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, 242) }
```

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

```
.border{ border-color:rgb(217, 231, 242) }
```

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, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 231, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 231, 242);  
box-shadow:4px 4px 4px 4px rgb(217, 231,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3143, 0.2967, 0.3173 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, 242) }
```

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

```
.background{ background-color: rgb(217,  
231, 242) }
```

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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