

# Converting Colors

$Yxy(78.2588, 0.2948, 0.3159)$

Have a look what the booklet for  
Yxy(78.2588, 0.2948, 0.3159)  
contains.

<b>Yxy(78.0700, 0.2948, 0.3162)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(78.0700, 0.2948, 0.3162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E7F3
RGB	215, 231, 243
RGB Percent	84%, 91%, 95%
CMY	0.1568, 0.0941, 0.0470
CMYK	0.12, 0.05, 0.00, 0.05
HSL	206°, 54%, 90%
HSV	206°, 12%, 95%
XYZ	72.7863, 78.0700, 96.0444
YIQ	227.5840, -13.3880, 0.3400

# Conversions

## Conversions Part 2

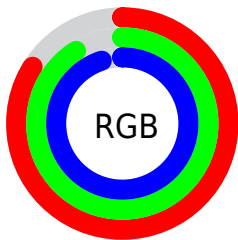
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 225, 243
Decimal	14149619
CIE Lab	90.81, -2.95, -7.65
CIE LCh	91, 8.199, 248.917
Yxy	78.0700, 0.2948, 0.3162
Android (android.graphics.Color)	4292339699 (0xFFD7E7F3)
YUV	227.5840, 7.6001, -11.0362
Hunter-Lab	88.3572, -7.5816, -2.5982

# Details

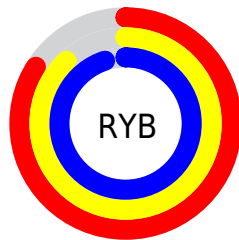
The Yxy color **78.0700, 0.2948, 0.3162** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.9357, 0.3319, 0.3415**, and the grayscale version is **77.2200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7214, 0.2905, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **68.9912, 0.2789, 0.3038**, and if you desaturate by 10%, it is **88.0505, 0.3104, 0.3274**.

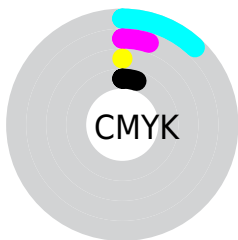
# Distribution



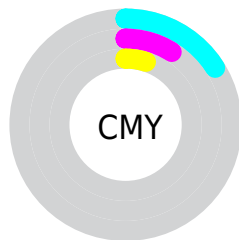
- Red (84%)
- Green (91%)
- Blue (95%)



- Red (84%)
- Yellow (88%)
- Blue (95%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (16%)
- Magenta (9%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0700, 0.2948, 0.3162 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 78.0700, 0.2948, 0.3162 by changing the saturation by 10% instead.



■ 78.0700, 0.2948,  
0.3162

■ 78.0700, 0.2948,  
0.3162

488.4045, 0.3030,  
0.3221

■ 58.1315, 0.2930,  
0.3149

130.6488, 0.2976,  
0.3182

■ 41.9144, 0.2907,  
0.3132

164.0579, 0.2987,  
0.3190

■ 29.0342, 0.2879,  
0.3111

202.7259, 0.2996,  
0.3197

■ 19.1067, 0.2843,  
0.3084

247.0373, 0.3005,  
0.3203

■ 11.7474, 0.2794,  
0.3048

297.3765, 0.3012,  
0.3208

■ 6.5719, 0.2724,  
0.2996

354.1278, 0.3019,

■ 3.1959, 0.2619,

0.3213

0.2915

417.6757, 0.3024,  
0.3217

■ 1.2348, 0.2441,  
0.2775

■ 0.0899, 0.0182,  
0.1221

■ 78.0700, 0.2948,  
0.3162

■ 78.0700, 0.2948,  
0.3162

■ 68.9912, 0.2789,  
0.3038

■ 88.0505, 0.3104,  
0.3274

■ 60.7743, 0.2629,  
0.2901

■ 97.2770, 0.3199,  
0.3375

■ 53.3905, 0.2472,  
0.2753

■ 99.2525, 0.3197,  
0.3405

■ 46.8056, 0.2322,  
0.2596

■ 40.9822, 0.2184,  
0.2431

■ 35.8792, 0.2063,  
0.2262

■ 31.4500, 0.1961,  
0.2093

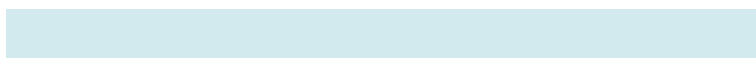
■ 27.6399, 0.1883,  
0.1928

■ 24.8249, 0.1832,  
0.1793

# Harmonies

## Analogous

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



78.0700, 0.2946, 0.3232



78.0700, 0.2948, 0.3162



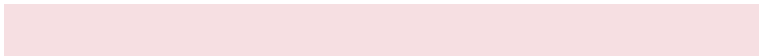
78.0700, 0.2997, 0.3128

# Triad

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



78.0700, 0.2948, 0.3162



78.0700, 0.3264, 0.3259



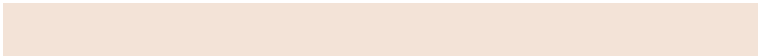
78.0700, 0.3170, 0.3450

# Complementary

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



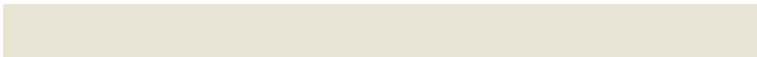
78.0700, 0.2948, 0.3162



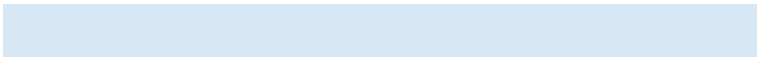
78.9357, 0.3319, 0.3415

# Split Complementary

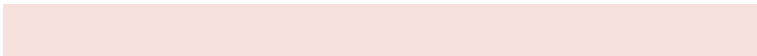
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0700, 0.3257, 0.3455



78.0700, 0.2948, 0.3162



78.0700, 0.3312, 0.3344

# Square

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



78.0700, 0.2948, 0.3162



78.0700, 0.3180, 0.3184



78.0700, 0.3309, 0.3416



78.0700, 0.3073, 0.3400



# Rectangle

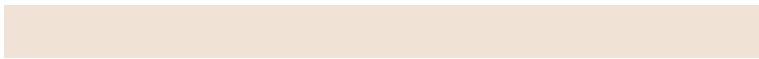
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0700, 0.2948, 0.3162



78.0700, 0.3051, 0.3129



78.0700, 0.3309, 0.3416



78.0700, 0.3202, 0.3457

# Sweetspot

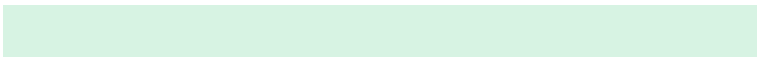
The Sweet Spot groups the original color and five complimentary colors.



78.0733, 0.2948, 0.3162



96.4987, 0.3081, 0.3258



84.0959, 0.3044, 0.3464



20.4578, 0.3069, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

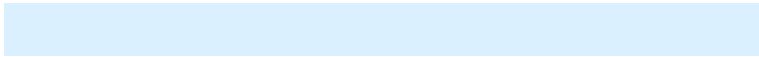


# Same Dimension

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



78.0733, 0.2948, 0.3162



84.4478, 0.2908, 0.3132



70.7360, 0.2945, 0.3014



17.4958, 0.2980, 0.3186



13.8950, 0.1838, 0.1818



1.4251, 0.1894, 0.2019



# Inverse Universe

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



73.4435, 0.3222, 0.3126



78.3509, 0.3246, 0.3089



86.6944, 0.3302, 0.3552



16.6409, 0.3204, 0.3156



11.5021, 0.4664, 0.2343

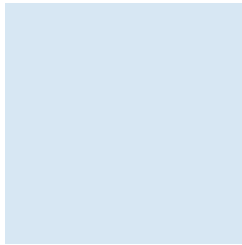


1.0315, 0.4431, 0.2215



# Previews

## White Background



This preview shows how the Yxy color 78.0700, 0.2948, 0.3162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

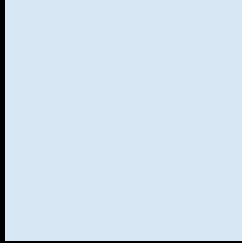
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0700, 0.2948, 0.3162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

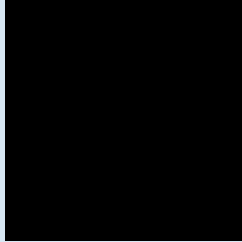
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

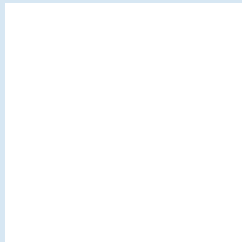
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.0700, 0.2948, 0.3162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0700, 0.2948, 0.3162.

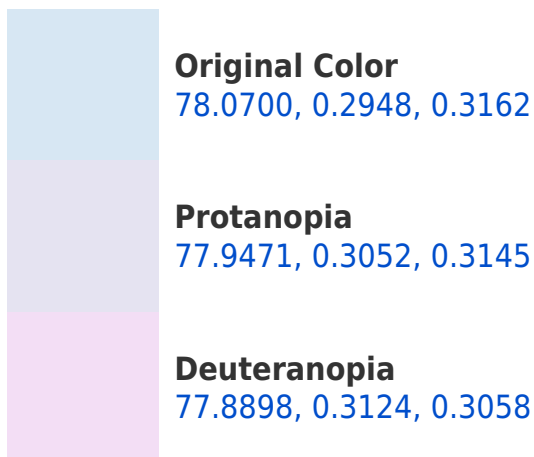


This preview shows how white text looks on a background with the Yxy color 78.0700, 0.2948, 0.3162.

# 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

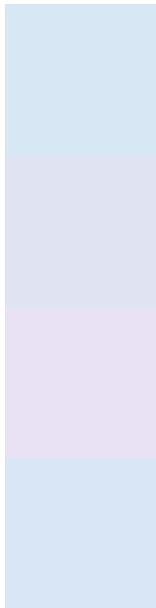




## Tritanopia

77.9699, 0.2925, 0.3100

# Trichromacy



## Original Color

78.0700, 0.2948, 0.3162

## Protanomaly

77.7449, 0.3012, 0.3143

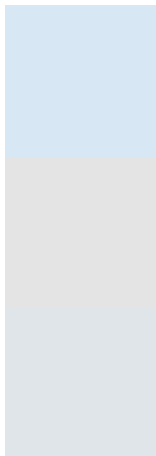
## Deuteranomaly

77.7057, 0.3061, 0.3095

## Tritanomaly

77.8464, 0.2936, 0.3121

# Monochromacy



## Original Color

78.0700, 0.2948, 0.3162

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.6098, 0.3061, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0700, 0.2948, 0.3162 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(215, 231, 243)` looks like.

```
.text, #text, p{  
    color:rgb(215, 231, 243)  
}
```

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(215, 231, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 231, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0700, 0.2948, 0.3162 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(215, 231, 243) }
```

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

```
.border{ border-color:rgb(215, 231, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 231, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 231, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 231, 243);  
box-shadow:4px 4px 4px 4px rgb(215, 231,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0700, 0.2948, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 231, 243) }
```

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

```
.background{ background-color: rgb(215,  
231, 243) }
```

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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