

# Converting Colors

Yxy(77.9343, 0.2947, 0.3152)

Have a look what the booklet for  
Yxy(77.9343, 0.2947, 0.3152)  
contains.

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# Color

**Yxy(78.1306, 0.2942, 0.3152)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D7E7F4
RGB	215, 231, 244
RGB Percent	84%, 91%, 96%
CMY	0.1569, 0.0941, 0.0432
CMYK	0.12, 0.05, 0.00, 0.04
HSL	207°, 57%, 90%
HSV	207°, 12%, 96%
XYZ	72.9252, 78.1306, 96.8205
YIQ	227.6980, -13.7090, 0.6510

# Conversions

## Conversions Part 2

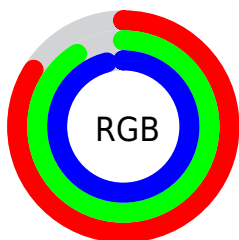
Format	Color
<a href="#">RYB</a>	<a href="#">215, 225, 244</a>
Decimal	<a href="#">14149620</a>
CIELab	<a href="#">90.84, -2.78, -8.12</a>
CIELCh	<a href="#">91, 8.580, 251.111</a>
Yxy	<a href="#">78.1306, 0.2942, 0.3152</a>
Android (android.graphics.Color)	<a href="#">4292339700</a> (0xFFD7E7F4)
YUV	<a href="#">227.6980, 8.0369, -11.1361</a>
Hunter-Lab	<a href="#">88.3915, -7.4182, -3.0698</a>

# Details

The Yxy color `78.1306, 0.2942, 0.3152` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `79.6092, 0.3325, 0.3424`, and the grayscale version is `77.2989, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.7644, 0.2898, 0.3111` is the 20% darker color. If you saturate the color by 10%, you get `68.7869, 0.2782, 0.3022`, and if you desaturate by 10%, it is `88.4132, 0.3098, 0.3269`.

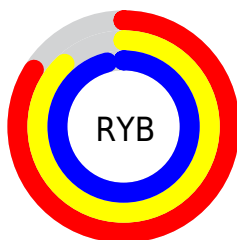
# Distribution



Red (84%)

Green (91%)

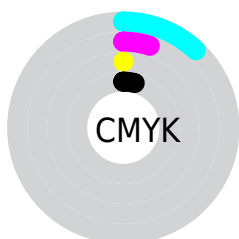
Blue (96%)



Red (84%)

Yellow (88%)

Blue (96%)

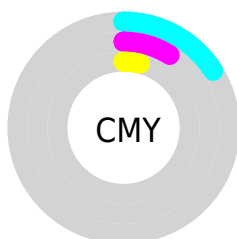


Cyan (12%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (16%)

Magenta (9%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1306, 0.2942, 0.3152 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 78.1306, 0.2942, 0.3152 by changing the saturation by 10% instead.



 78.1306, 0.2942,  
0.3152

 78.1306, 0.2942,  
0.3152

488.6102, 0.3026,  
0.3215

 58.1813, 0.2923,  
0.3138


130.7342, 0.2971,  
0.3174

 41.9544, 0.2900,  
0.3120

164.1573, 0.2982,  
0.3182

 29.0656, 0.2871,  
0.3098


202.8404, 0.2992,  
0.3190

 19.1304, 0.2833,  
0.3069


247.1679, 0.3001,  
0.3196

 11.7646, 0.2783,  
0.3029

297.5243, 0.3008,  
0.3202

 6.5836, 0.2711,  
0.2973

354.2939, 0.3015,

 3.2031, 0.2603,

0.3207

0.2887

417.8610, 0.3021,  
0.3211

1.2386, 0.2420,  
0.2738

0.0929, 0.0262,  
0.1188

78.1306, 0.2942,  
0.3152

78.1306, 0.2942,  
0.3152

68.7869, 0.2782,  
0.3022

88.4132, 0.3098,  
0.3269

60.3411, 0.2621,  
0.2879

97.9499, 0.3192,  
0.3375

52.7633, 0.2462,  
0.2724

99.3114, 0.3191,  
0.3396

46.0177, 0.2311,  
0.2559

■ 40.0658, 0.2171,  
0.2386

■ 34.8647, 0.2047,  
0.2210

■ 30.3663, 0.1944,  
0.2034

■ 26.5138, 0.1864,  
0.1863

■ 23.7968, 0.1814,  
0.1729

# Harmonies

## Analogous

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



78.1306, 0.2936, 0.3223



78.1306, 0.2942, 0.3152



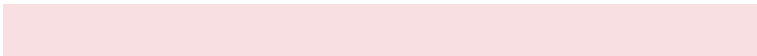
78.1306, 0.2997, 0.3119

# Triad

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



78.1306, 0.2942, 0.3152



78.1306, 0.3276, 0.3264



78.1306, 0.3165, 0.3455

# Complementary

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



78.1306, 0.2942, 0.3152



79.6092, 0.3325, 0.3424

# Split Complementary

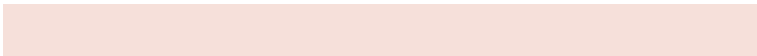
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1306, 0.3257, 0.3464



78.1306, 0.2942, 0.3152



78.1306, 0.3322, 0.3352

# Square

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



78.1306, 0.2942, 0.3152



78.1306, 0.3189, 0.3184



78.1306, 0.3316, 0.3426



78.1306, 0.3063, 0.3400



# Rectangle

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



78.1306, 0.2942, 0.3152



78.1306, 0.3054, 0.3123



78.1306, 0.3316, 0.3426



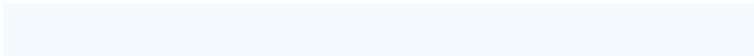
78.1306, 0.3198, 0.3464

# Sweetspot

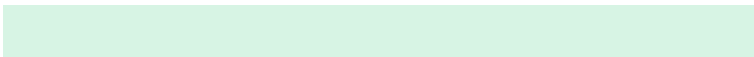
The Sweet Spot groups the original color and five complimentary colors.



78.1339, 0.2942, 0.3152



95.2379, 0.3066, 0.3246



84.7206, 0.3039, 0.3464



20.1972, 0.3054, 0.3237



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

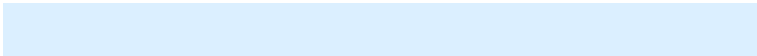


# Same Dimension

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



78.1339, 0.2942, 0.3152



84.0711, 0.2908, 0.3125



70.5609, 0.2939, 0.2999



17.4445, 0.2980, 0.3181



13.2170, 0.1821, 0.1755



1.3667, 0.1879, 0.1964



# Inverse Universe

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



73.5962, 0.3229, 0.3126



78.3129, 0.3250, 0.3095



87.6789, 0.3307, 0.3565



16.6358, 0.3207, 0.3160



11.4336, 0.4739, 0.2384

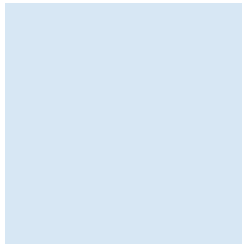


1.0256, 0.4494, 0.2249



# Previews

## White Background



This preview shows how the Yxy color 78.1306, 0.2942, 0.3152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

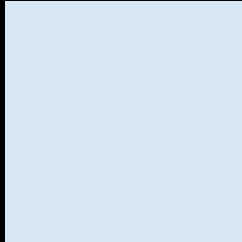
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.1306, 0.2942, 0.3152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

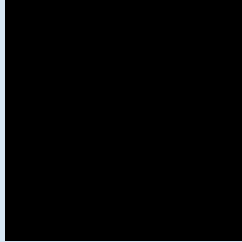
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

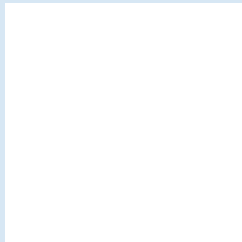
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.1306, 0.2942, 0.3152**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1306, 0.2942, 0.3152.



This preview shows how white text looks on a background with the Yxy color 78.1306, 0.2942, 0.3152.

# 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

78.1306, 0.2942, 0.3152

### Protanopia

78.0070, 0.3046, 0.3134

### Deuteranopia

77.9511, 0.3118, 0.3049



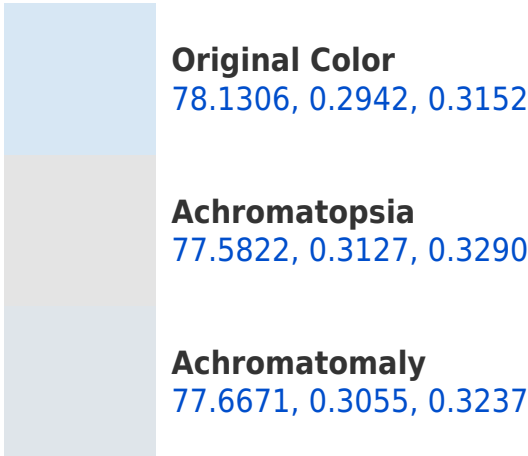
## Tritanopia

78.0321, 0.2919, 0.3090

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1306, 0.2942, 0.3152 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, 244) looks like.

```
.text, #text, p{  
    color:rgb(215, 231, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 231, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1306, 0.2942, 0.3152 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, 244) }
```

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

```
.border{ border-color:rgb(215, 231, 244) }
```

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, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 231, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 231, 244);  
box-shadow:4px 4px 4px 4px rgb(215, 231,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1306, 0.2942, 0.3152 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, 244) }
```

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

```
.background{ background-color: rgb(215,  
231, 244) }
```

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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