

# Converting Colors

$Yxy(78.0241, 0.2921, 0.3134)$

Have a look what the booklet for  
Yxy(78.0241, 0.2921, 0.3134)  
contains.

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# Color

**Yxy(77.9518, 0.2918, 0.3130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5E7F6
RGB	213, 231, 246
RGB Percent	84%, 91%, 96%
CMY	0.1644, 0.0942, 0.0352
CMYK	0.13, 0.06, 0.00, 0.04
HSL	207°, 65%, 90%
HSV	207°, 13%, 96%
XYZ	72.6720, 77.9518, 98.4235
YIQ	227.3280, -15.5430, 0.8490

# Conversions

## Conversions Part 2

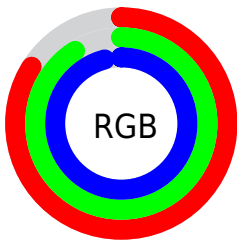
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 225, 246
Decimal	14018550
CIE Lab	90.76, -2.96, -9.31
CIE LCh	91, 9.772, 252.390
Yxy	77.9518, 0.2918, 0.3130
Android (android.graphics.Color)	4292208630 (0xFFD5E7F6)
YUV	227.3280, 9.2053, -12.5657
Hunter-Lab	88.2903, -7.5842, -4.2916

# Details

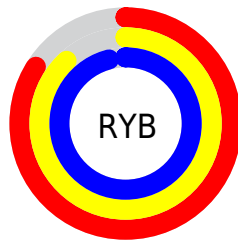
The Yxy color **77.9518, 0.2918, 0.3130** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.9647, 0.3352, 0.3445**, and the grayscale version is **77.0194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6468, 0.2867, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **68.4598, 0.2757, 0.2995**, and if you desaturate by 10%, it is **88.4123, 0.3075, 0.3252**.

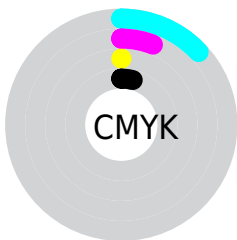
# Distribution



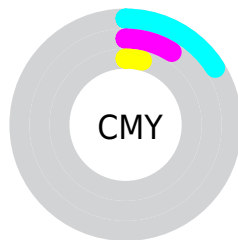
- Red (84%)
- Green (91%)
- Blue (96%)



- Red (84%)
- Yellow (88%)
- Blue (96%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (9%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9518, 0.2918, 0.3130 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 77.9518, 0.2918, 0.3130 by changing the saturation by 10% instead.



■ 77.9518, 0.2918,  
0.3130

■ 77.9518, 0.2918,  
0.3130

488.0031, 0.3013,  
0.3204

■ 58.0344, 0.2897,  
0.3113

130.4822, 0.2951,  
0.3155

■ 41.8363, 0.2871,  
0.3093

163.8639, 0.2963,  
0.3165

■ 28.9731, 0.2838,  
0.3067

202.5026, 0.2975,  
0.3174

■ 19.0605, 0.2795,  
0.3033

246.7825, 0.2984,  
0.3181

■ 11.7140, 0.2738,  
0.2988

297.0881, 0.2993,  
0.3188

■ 6.5492, 0.2658,  
0.2923

353.8039, 0.3000,

■ 3.1818, 0.2537,

0.3194

0.2824

417.3140, 0.3007,  
0.3199

■ 1.2274, 0.2332,  
0.2653

■ 0.0839, 0.0091,  
0.1006

■ 77.9518, 0.2918,  
0.3130

■ 77.9518, 0.2918,  
0.3130

■ 68.4598, 0.2757,  
0.2995

■ 88.4123, 0.3075,  
0.3252

■ 59.8939, 0.2595,  
0.2847

■ 98.4532, 0.3180,  
0.3361

■ 52.2228, 0.2437,  
0.2687

■ 99.4353, 0.3179,  
0.3376

■ 45.4092, 0.2285,  
0.2517

■ 39.4125, 0.2146,  
0.2339

■ 34.1878, 0.2024,  
0.2159

■ 29.6844, 0.1923,  
0.1980

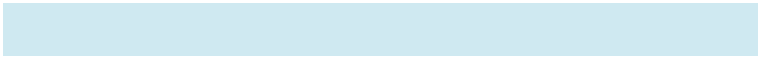
■ 25.8419, 0.1845,  
0.1807

■ 23.6096, 0.1805,  
0.1696

# Harmonies

## Analogous

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



77.9518, 0.2909, 0.3209



77.9518, 0.2918, 0.3130



77.9518, 0.2982, 0.3095

# Triad

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



77.9518, 0.2918, 0.3130



77.9518, 0.3300, 0.3265



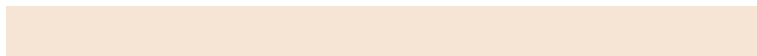
77.9518, 0.3165, 0.3477

# Complementary

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



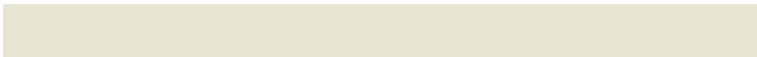
77.9518, 0.2918, 0.3130



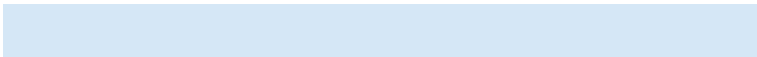
79.9647, 0.3352, 0.3445

# 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.



77.9518, 0.3272, 0.3490



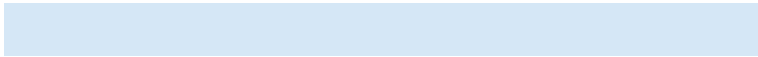
77.9518, 0.2918, 0.3130



77.9518, 0.3351, 0.3365

# Square

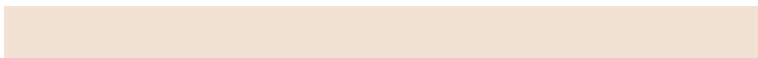
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9518, 0.2918, 0.3130



77.9518, 0.3203, 0.3173



77.9518, 0.3340, 0.3447



77.9518, 0.3050, 0.3412



# Rectangle

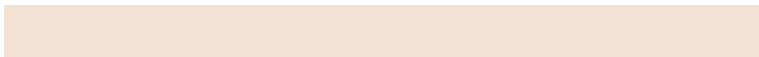
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9518, 0.2918, 0.3130



77.9518, 0.3049, 0.3101



77.9518, 0.3340, 0.3447



77.9518, 0.3203, 0.3488

# Sweetspot

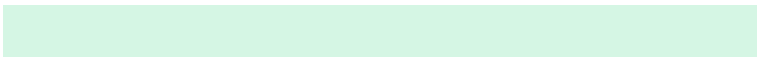
The Sweet Spot groups the original color and five complimentary colors.



77.9550, 0.2918, 0.3130



95.1799, 0.3066, 0.3245



85.6820, 0.3025, 0.3482



20.1825, 0.3054, 0.3236



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

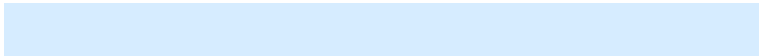


# Same Dimension

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



77.9550, 0.2918, 0.3130



81.7473, 0.2876, 0.3096



69.2795, 0.2913, 0.2953



17.4185, 0.2980, 0.3179



12.8833, 0.1812, 0.1724



1.3377, 0.1871, 0.1936



# Inverse Universe

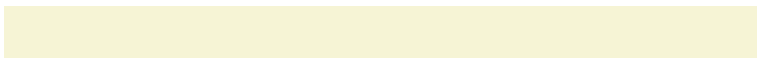
The Inverse Universe completely reimagines the original color for something new.



72.9976, 0.3246, 0.3108



75.5318, 0.3273, 0.3070



89.3348, 0.3330, 0.3606



16.6331, 0.3208, 0.3162



11.4000, 0.4777, 0.2405

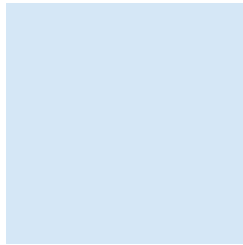


1.0227, 0.4526, 0.2267



# Previews

## White Background



This preview shows how the Yxy color 77.9518, 0.2918, 0.3130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

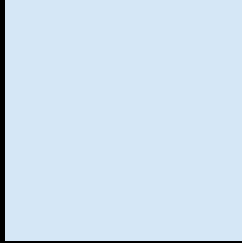
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.9518, 0.2918, 0.3130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

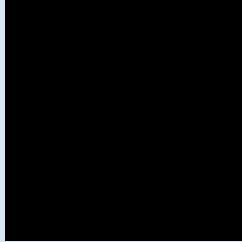
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

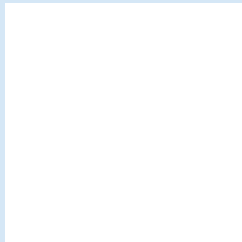
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.9518, 0.2918, 0.3130**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.9518, 0.2918, 0.3130.

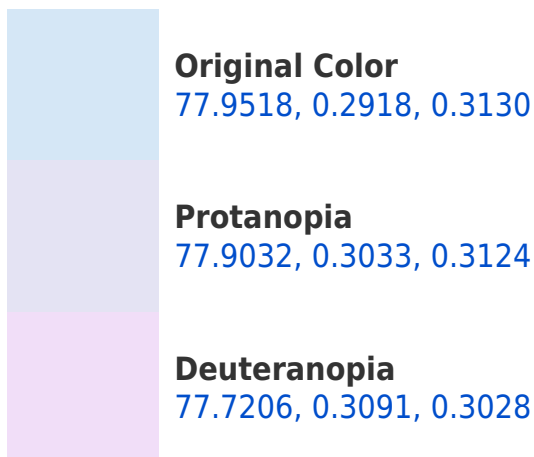


This preview shows how white text looks on a background with the Yxy color 77.9518, 0.2918, 0.3130.

# 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

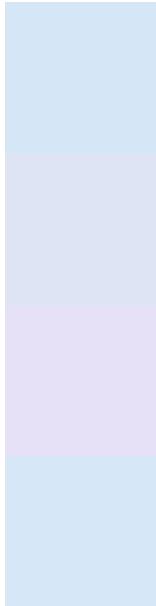




## Tritanopia

78.2875, 0.2907, 0.3100

# Trichromacy



## Original Color

77.9518, 0.2918, 0.3130

## Protanomaly

77.7064, 0.2994, 0.3122

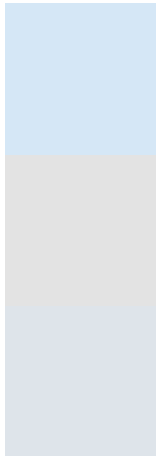
## Deuteranomaly

77.5548, 0.3029, 0.3064

## Tritanomaly

78.2253, 0.2912, 0.3110

# Monochromacy



## Original Color

77.9518, 0.2918, 0.3130

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.9569, 0.3049, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9518, 0.2918, 0.3130 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(213, 231, 246)` looks like.

```
.text, #text, p{  
    color:rgb(213, 231, 246)  
}
```

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(213, 231, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 231, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9518, 0.2918, 0.3130 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(213, 231, 246) }
```

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

```
.border{ border-color:rgb(213, 231, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 231, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 231, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 231, 246);  
box-shadow:4px 4px 4px 4px rgb(213, 231,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9518, 0.2918, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 231, 246) }
```

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

```
.background{ background-color: rgb(213,  
231, 246) }
```

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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