

Converting Colors

$Yxy(77.9621, 0.2907, 0.3081)$

Have a look what the booklet for
Yxy(77.9621, 0.2907, 0.3081)
contains.

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Color

Yxy(77.9428, 0.2907, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	D7E6FA
RGB	215, 230, 250
RGB Percent	84%, 90%, 98%
CMY	0.1566, 0.0981, 0.0196
CMYK	0.14, 0.08, 0.00, 0.02
HSL	214°, 78%, 91%
HSV	214°, 14%, 98%
XYZ	73.5887, 77.9428, 101.6117
YIQ	227.7950, -15.3600, 3.0400

Conversions

Conversions Part 2

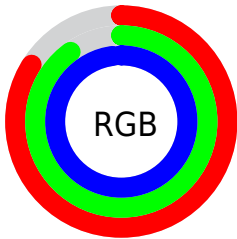
Format	Color
R _Y B	215, 226, 250
Decimal	14149370
CIE Lab	90.75, -1.02, -11.39
CIE LCh	91, 11.433, 264.861
Yxy	77.9428, 0.2907, 0.3079
Android (android.graphics.Color)	4292339450 (0xFFD7E6FA)
YUV	227.7950, 10.9471, -11.2212
Hunter-Lab	88.2852, -5.7133, -6.4400

Details

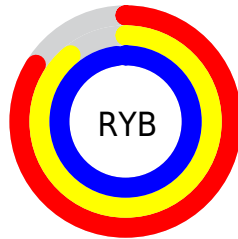
The Yxy color **77.9428, 0.2907, 0.3079** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84.6921, 0.3358, 0.3492**, and the grayscale version is **77.3605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0286, 0.2853, 0.3031** is the 20% darker color. If you saturate the color by 10%, you get **66.8005, 0.2741, 0.2907**, and if you desaturate by 10%, it is **90.3245, 0.3066, 0.3233**.

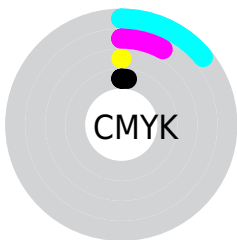
Distribution



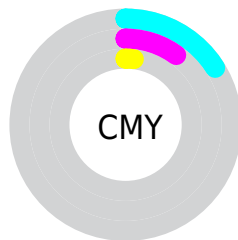
- Red (84%)
- Green (90%)
- Blue (98%)



- Red (84%)
- Yellow (89%)
- Blue (98%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9428, 0.2907, 0.3079 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 77.9428, 0.2907, 0.3079 by changing the saturation by 10% instead.

■ 77.9428, 0.2907,
0.3079

■ 77.9428, 0.2907,
0.3079

487.9725, 0.3007,
0.3175

■ 58.0270, 0.2885,
0.3057

130.4695, 0.2941,
0.3112

■ 41.8303, 0.2857,
0.3031

163.8492, 0.2955,
0.3125

■ 28.9685, 0.2822,
0.2997

202.4856, 0.2967,
0.3136

■ 19.0570, 0.2778,
0.2954

246.7631, 0.2977,
0.3146

■ 11.7115, 0.2718,
0.2896

297.0662, 0.2986,
0.3155

■ 6.5475, 0.2633,
0.2813

353.7792, 0.2994,

■ 3.1808, 0.2506,

0.3162

0.2688

417.2865, 0.3001,
0.3169

■ 1.2268, 0.2293,
0.2478

■ 0.0834, 0.0530,
0.0814

■ 77.9428, 0.2907,
0.3079

■ 77.9428, 0.2907,
0.3079

■ 66.8005, 0.2741,
0.2907

■ 90.3245, 0.3066,
0.3233

■ 56.8461, 0.2570,
0.2717

■ 99.6825, 0.3156,
0.3338

■ 48.0385, 0.2398,
0.2512

■ 40.3299, 0.2232,
0.2295

■ 33.6691, 0.2077,
0.2071

■ 27.9993, 0.1939,
0.1845

■ 23.2570, 0.1825,
0.1627

■ 19.3678, 0.1739,
0.1425

■ 17.3814, 0.1698,
0.1312

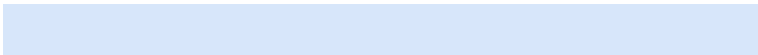
Harmonies

Analogous

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



77.9428, 0.2868, 0.3151



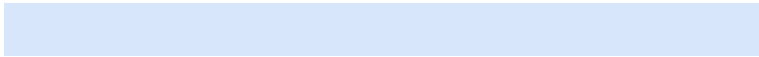
77.9428, 0.2907, 0.3079



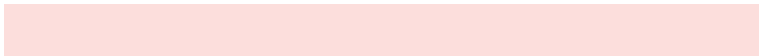
77.9428, 0.3004, 0.3064

Triad

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



77.9428, 0.2907, 0.3079



77.9428, 0.3363, 0.3309



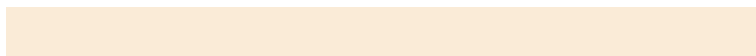
77.9428, 0.3114, 0.3484

Complementary

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



77.9428, 0.2907, 0.3079



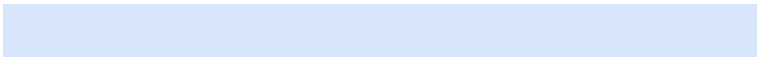
84.6921, 0.3358, 0.3492

Split Complementary

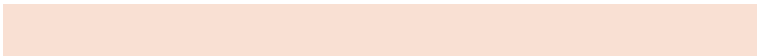
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9428, 0.3248, 0.3526



77.9428, 0.2907, 0.3079



77.9428, 0.3393, 0.3421

Square

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



77.9428, 0.2907, 0.3079



77.9428, 0.3268, 0.3195



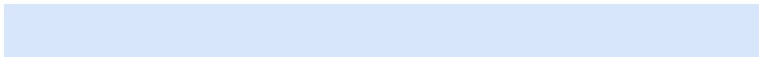
77.9428, 0.3350, 0.3502



77.9428, 0.2986, 0.3387

Rectangle

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



77.9428, 0.2907, 0.3079



77.9428, 0.3090, 0.3086



77.9428, 0.3350, 0.3502



77.9428, 0.3160, 0.3506

Sweetspot

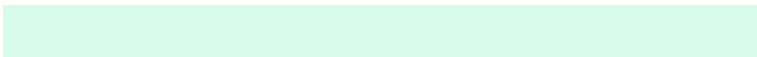
The Sweet Spot groups the original color and five complimentary colors.



77.9460, 0.2907, 0.3079



94.4458, 0.3066, 0.3233



88.8204, 0.2997, 0.3448



19.9968, 0.3054, 0.3222



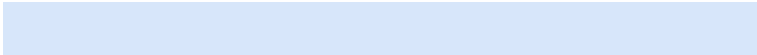
0.0000, 0.0000, 0.0000



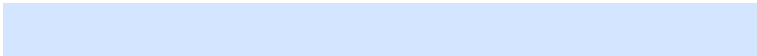
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9460, 0.2907, 0.3079



77.8551, 0.2857, 0.3029



70.3431, 0.2918, 0.2919



17.8625, 0.2979, 0.3150



9.4911, 0.1706, 0.1342



1.0845, 0.1770, 0.1573

Inverse Universe

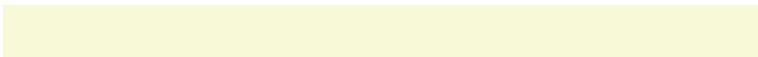
The Inverse Universe completely reimagines the original color for something new.



74.6672, 0.3280, 0.3139



73.8951, 0.3320, 0.3105



93.1810, 0.3322, 0.3639



17.3483, 0.3227, 0.3189



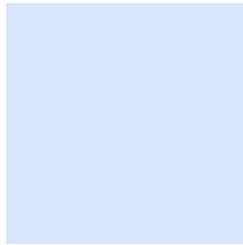
11.3690, 0.5269, 0.2676



1.0737, 0.4965, 0.2509

Previews

White Background



This preview shows how the Yxy color 77.9428, 0.2907, 0.3079 looks on a white background.

Color Contrast Check

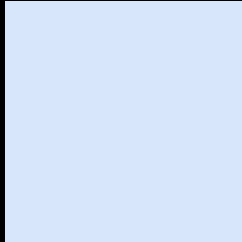
Large Text (above 18pt) WCAG AA × Fail

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 77.9428, 0.2907, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

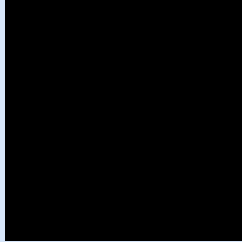
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

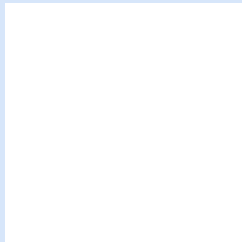
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9428, 0.2907, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 77.9428, 0.2907, 0.3079.



This preview shows how white text looks on a background with the Yxy color 77.9428, 0.2907, 0.3079.

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

77.9428, 0.2907, 0.3079

Protanopia

78.0464, 0.2996, 0.3073

Deuteranopia

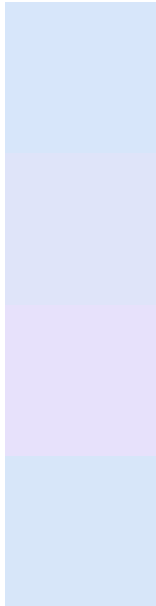
77.7961, 0.3059, 0.2988



Tritanopia

77.8803, 0.2913, 0.3089

Trichromacy



Original Color

77.9428, 0.2907, 0.3079

Protanomaly

78.0143, 0.2964, 0.3071

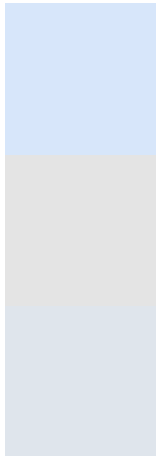
Deuteranomaly

77.8044, 0.3004, 0.3024

Tritanomaly

77.8803, 0.2913, 0.3089

Monochromacy



Original Color

77.9428, 0.2907, 0.3079

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7827, 0.3043, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9428, 0.2907, 0.3079 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, 230, 250)` looks like.

```
.text, #text, p{  
    color:rgb(215, 230, 250)  
}
```

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, 230, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 230, 250) }
```

Border

The CSS property to change the border of an element to Yxy 77.9428, 0.2907, 0.3079 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, 230, 250) }
```

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

```
.border{ border-color:rgb(215, 230, 250) }
```

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

Here you see how a box with a 4 pixel rgb(215, 230, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 230, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 230, 250);  
box-shadow:4px 4px 4px 4px rgb(215, 230,  
250) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.9428, 0.2907, 0.3079$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 230, 250) }
```

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

```
.background{ background-color: rgb(215,  
230, 250) }
```

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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