

Converting Colors

$Yxy(76.7918, 0.2865, 0.3079)$

Have a look what the booklet for
Yxy(76.7918, 0.2865, 0.3079)
contains.

Yxy(76.9057, 0.2863, 0.3076)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.9057, 0.2863, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	D0E6FA
RGB	208, 230, 250
RGB Percent	82%, 90%, 98%
CMY	0.1841, 0.0981, 0.0195
CMYK	0.17, 0.08, 0.00, 0.02
HSL	209°, 81%, 90%
HSV	209°, 17%, 98%
XYZ	71.5803, 76.9057, 101.5325
YIQ	225.7020, -19.5320, 1.5560

Conversions

Conversions Part 2

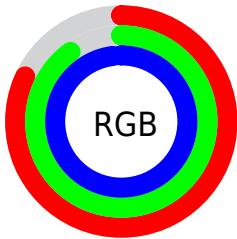
Format	Color
R _Y B	208, 222, 250
Decimal	13690618
CIE Lab	90.28, -3.19, -12.16
CIE LCh	90, 12.567, 255.298
Yxy	76.9057, 0.2863, 0.3076
Android (android.graphics.Color)	4291880698 (0xFFD0E6FA)
YUV	225.7020, 11.9789, -15.5247
Hunter-Lab	87.6959, -7.7702, -7.2576

Details

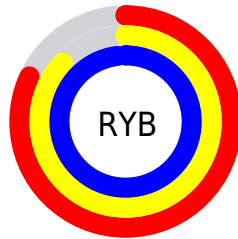
The Yxy color **76.9057, 0.2863, 0.3076** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.4286, 0.3415, 0.3495**, and the grayscale version is **75.7591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3273, 0.2798, 0.3027** is the 20% darker color. If you saturate the color by 10%, you get **67.1455, 0.2700, 0.2930**, and if you desaturate by 10%, it is **87.6988, 0.3022, 0.3208**.

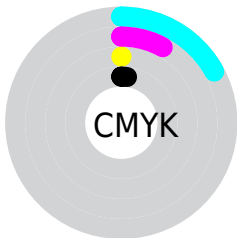
Distribution



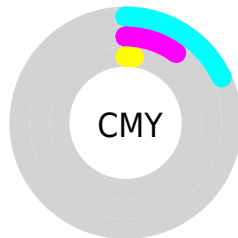
- Red (82%)
- Green (90%)
- Blue (98%)



- Red (82%)
- Yellow (87%)
- Blue (98%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9057, 0.2863, 0.3076 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 76.9057, 0.2863, 0.3076 by changing the saturation by 10% instead.

■ 76.9057, 0.2863,
0.3076

■ 76.9057, 0.2863,
0.3076

484.4425, 0.2983,
0.3174

■ 57.1755, 0.2836,
0.3054

129.0064, 0.2904,
0.3110

■ 41.1461, 0.2803,
0.3026

162.1456, 0.2920,
0.3123

■ 28.4333, 0.2762,
0.2992

200.5233, 0.2934,
0.3135

■ 18.6525, 0.2708,
0.2947

244.5238, 0.2947,
0.3145

■ 11.4195, 0.2636,
0.2886

294.5316, 0.2957,
0.3153

■ 6.3497, 0.2535,
0.2800

350.9311, 0.2967,

■ 3.0589, 0.2384,

0.3161

0.2668

414.1065, 0.2976,
0.3168

1.1626, 0.2131,
0.2443

0.0308, 0.0000,
0.0337

76.9057, 0.2863,
0.3076

76.9057, 0.2863,
0.3076

67.1455, 0.2700,
0.2930

87.6988, 0.3022,
0.3208

58.3728, 0.2537,
0.2770

98.9621, 0.3157,
0.3327

50.5528, 0.2378,
0.2598

99.6836, 0.3156,
0.3337

43.6443, 0.2227,
0.2416

■ 37.6024, 0.2090,
0.2229

■ 32.3772, 0.1971,
0.2040

■ 27.9115, 0.1876,
0.1855

■ 24.1354, 0.1804,
0.1678

■ 23.0360, 0.1784,
0.1623

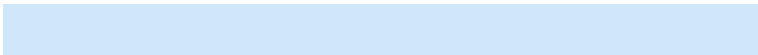
Harmonies

Analogous

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



76.9057, 0.2844, 0.3172



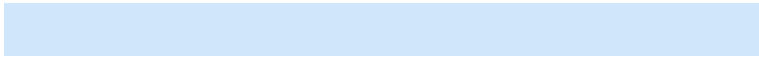
76.9057, 0.2863, 0.3076



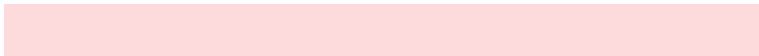
76.9057, 0.2951, 0.3039

Triad

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



76.9057, 0.2863, 0.3076



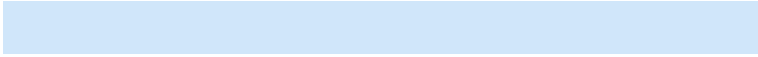
76.9057, 0.3361, 0.3269



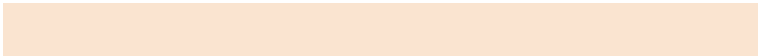
76.9057, 0.3161, 0.3528

Complementary

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



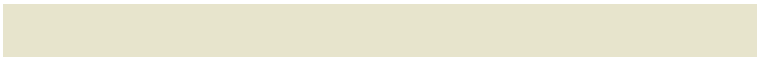
76.9057, 0.2863, 0.3076



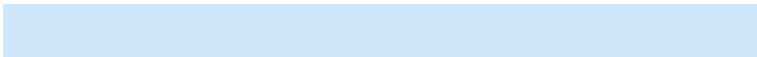
80.4286, 0.3415, 0.3495

Split Complementary

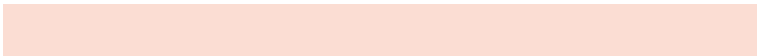
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9057, 0.3302, 0.3550



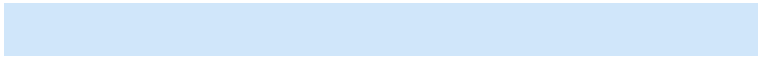
76.9057, 0.2863, 0.3076



76.9057, 0.3419, 0.3397

Square

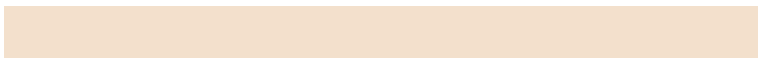
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9057, 0.2863, 0.3076



76.9057, 0.3238, 0.3150



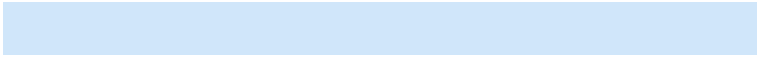
76.9057, 0.3397, 0.3501



76.9057, 0.3013, 0.3437

Rectangle

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



76.9057, 0.2863, 0.3076



76.9057, 0.3039, 0.3050



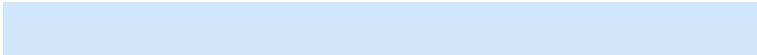
76.9057, 0.3397, 0.3501



76.9057, 0.3210, 0.3544

Sweetspot

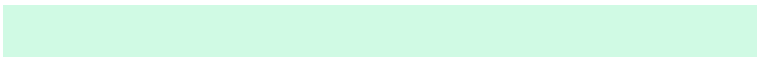
The Sweet Spot groups the original color and five complimentary colors.



76.9089, 0.2863, 0.3076



93.8381, 0.3050, 0.3230



87.3871, 0.2995, 0.3528



19.9047, 0.3039, 0.3222



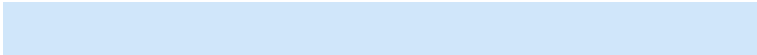
0.0000, 0.0000, 0.0000



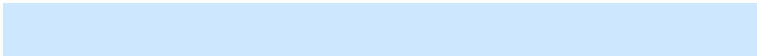
21.4041, 0.3127, 0.3290

Same Dimension

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



76.9089, 0.2863, 0.3076



77.0108, 0.2811, 0.3030



66.1513, 0.2852, 0.2850



18.1437, 0.2980, 0.3174



12.5068, 0.1792, 0.1651



1.3707, 0.1850, 0.1860

Inverse Universe

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



71.1839, 0.3288, 0.3068



70.1952, 0.3325, 0.3023



92.4056, 0.3382, 0.3695



17.3767, 0.3212, 0.3167



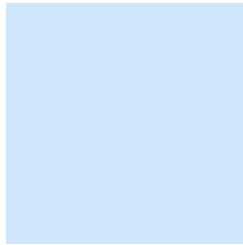
11.6735, 0.4867, 0.2455



1.1026, 0.4614, 0.2316

Previews

White Background



This preview shows how the Yxy color 76.9057, 0.2863, 0.3076 looks on a white background.

Color Contrast Check

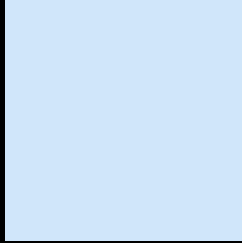
Large Text (above 18pt) WCAG AA × Fail

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 76.9057, 0.2863, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

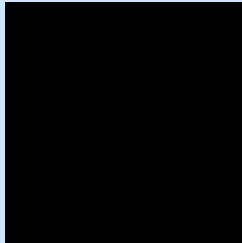
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

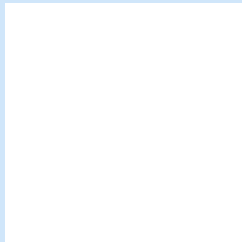
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9057, 0.2863, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 76.9057, 0.2863, 0.3076.



This preview shows how white text looks on a background with the Yxy color 76.9057, 0.2863, 0.3076.

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

76.9057, 0.2863, 0.3076

Protanopia

76.5734, 0.2989, 0.3061

Deuteranopia

76.7457, 0.3038, 0.2976



Tritanopia

76.8431, 0.2868, 0.3087

Trichromacy



Original Color

76.9057, 0.2863, 0.3076

Protanomaly

76.7756, 0.2943, 0.3069

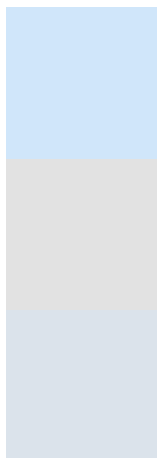
Deuteranomaly

76.4451, 0.2971, 0.3011

Tritanomaly

76.8431, 0.2868, 0.3087

Monochromacy



Original Color

76.9057, 0.2863, 0.3076

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.9964, 0.3022, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9057, 0.2863, 0.3076 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(208, 230, 250)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 230, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 230, 250) }
```

Border

The CSS property to change the border of an element to Yxy 76.9057, 0.2863, 0.3076 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(208, 230, 250) }
```

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

```
.border{ border-color:rgb(208, 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(208, 230, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 230, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 230, 250); box-shadow:4px 4px 4px 4px rgb(208, 230, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9057, 0.2863, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 230, 250) }
```

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

```
.background{ background-color: rgb(208,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor