

Converting Colors

$Yxy(76.4087, 0.2827, 0.3047)$

Have a look what the booklet for
Yxy(76.4087, 0.2827, 0.3047)
contains.

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Color

Yxy(76.4593, 0.2827, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	CCE6FC
RGB	204, 230, 252
RGB Percent	80%, 90%, 99%
CMY	0.1999, 0.0981, 0.0118
CMYK	0.19, 0.09, 0.00, 0.01
HSL	208°, 89%, 89%
HSV	208°, 19%, 99%
XYZ	70.7762, 76.4593, 103.1224
YIQ	224.7340, -22.5580, 1.3300

Conversions

Conversions Part 2

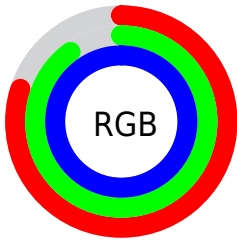
Format	Color
R _Y B	204, 221, 252
Decimal	13428476
CIE Lab	90.07, -4.01, -13.53
CIE LCh	90, 14.108, 253.481
Yxy	76.4593, 0.2827, 0.3054
Android (android.graphics.Color)	4291618556 (0xFFCCE6FC)
YUV	224.7340, 13.4421, -18.1837
Hunter-Lab	87.4410, -8.5410, -8.7142

Details

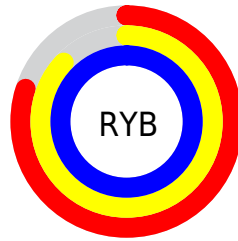
The Yxy color **76.4593, 0.2827, 0.3054** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.4719, 0.3461, 0.3515**, and the grayscale version is **75.0140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9896, 0.2760, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **66.9615, 0.2665, 0.2911**, and if you desaturate by 10%, it is **86.9663, 0.2987, 0.3184**.

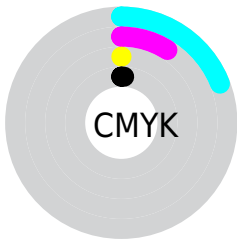
Distribution



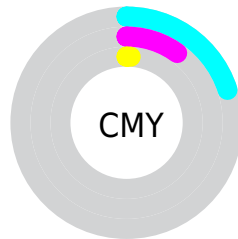
- Red (80%)
- Green (90%)
- Blue (99%)



- Red (80%)
- Yellow (87%)
- Blue (99%)



- Cyan (19%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (20%)
- Magenta (10%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4593, 0.2827, 0.3054 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 76.4593, 0.2827, 0.3054 by changing the saturation by 10% instead.

■ 76.4593, 0.2827,
0.3054

■ 76.4593, 0.2827,
0.3054

482.9185, 0.2963,
0.3163

■ 56.8092, 0.2796,
0.3029

128.3759, 0.2874,
0.3092

■ 40.8521, 0.2759,
0.2999

161.4113, 0.2892,
0.3106

■ 28.2035, 0.2712,
0.2961

199.6772, 0.2908,
0.3119

■ 18.4791, 0.2651,
0.2911

243.5580, 0.2922,
0.3130

■ 11.2945, 0.2570,
0.2844

293.4381, 0.2934,
0.3140

■ 6.2653, 0.2457,
0.2748

349.7020, 0.2945,

■ 3.0071, 0.2286,

0.3148

0.2602

412.7340, 0.2955,
0.3156

1.1354, 0.2006,
0.2353

0.0080, 0.0000,
0.0083

76.4593, 0.2827,
0.3054

76.4593, 0.2827,
0.3054

66.9615, 0.2665,
0.2911

86.9663, 0.2987,
0.3184

58.4275, 0.2504,
0.2755

98.5069, 0.3142,
0.3301

50.8222, 0.2348,
0.2587

99.8083, 0.3144,
0.3319

44.1041, 0.2203,
0.2412

■ 38.2275, 0.2072,
0.2231

■ 33.1415, 0.1961,
0.2050

■ 28.7870, 0.1873,
0.1873

■ 25.0803, 0.1808,
0.1703

■ 24.7469, 0.1802,
0.1687

Harmonies

Analogous

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



76.4593, 0.2811, 0.3165



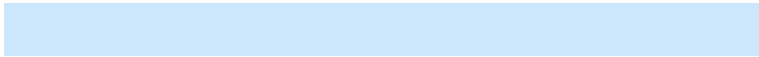
76.4593, 0.2827, 0.3054



76.4593, 0.2922, 0.3009

Triad

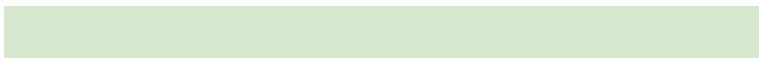
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4593, 0.2827, 0.3054



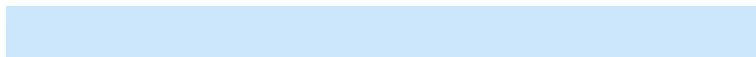
76.4593, 0.3383, 0.3258



76.4593, 0.3175, 0.3562

Complementary

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



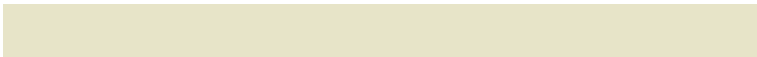
76.4593, 0.2827, 0.3054



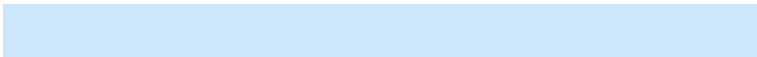
79.4719, 0.3461, 0.3515

Split Complementary

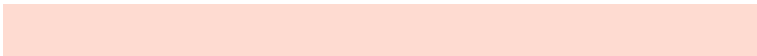
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4593, 0.3332, 0.3582



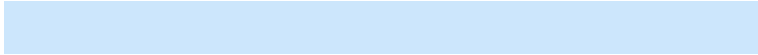
76.4593, 0.2827, 0.3054



76.4593, 0.3455, 0.3401

Square

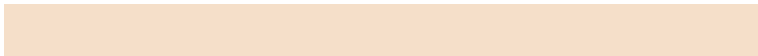
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4593, 0.2827, 0.3054



76.4593, 0.3242, 0.3126



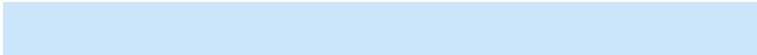
76.4593, 0.3435, 0.3521



76.4593, 0.3008, 0.3463

Rectangle

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



76.4593, 0.2827, 0.3054



76.4593, 0.3018, 0.3019



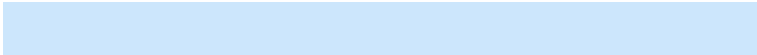
76.4593, 0.3435, 0.3521



76.4593, 0.3230, 0.3578

Sweetspot

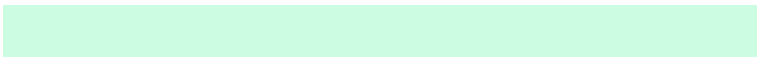
The Sweet Spot groups the original color and five complimentary colors.



76.4624, 0.2827, 0.3054



92.8158, 0.3034, 0.3221



87.9338, 0.2982, 0.3573



19.7040, 0.3024, 0.3213



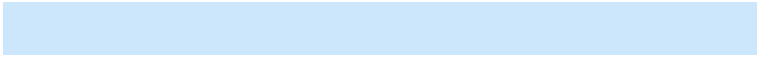
0.0000, 0.0000, 0.0000



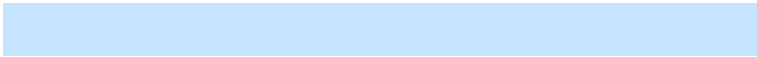
21.4041, 0.3127, 0.3290

Same Dimension

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



76.4624, 0.2827, 0.3054



74.5409, 0.2763, 0.2999



64.2232, 0.2812, 0.2793



18.1996, 0.2980, 0.3178



13.1895, 0.1810, 0.1715



1.4337, 0.1866, 0.1918

Inverse Universe

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



69.6117, 0.3307, 0.3028



66.5046, 0.3353, 0.2970



93.1812, 0.3419, 0.3743



17.3824, 0.3209, 0.3162



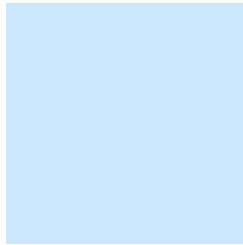
11.7424, 0.4788, 0.2411



1.1090, 0.4547, 0.2278

Previews

White Background



This preview shows how the Yxy color 76.4593, 0.2827, 0.3054 looks on a white background.

Color Contrast Check

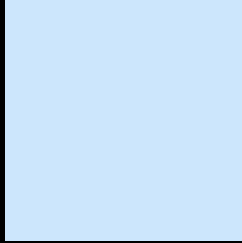
Large Text (above 18pt) WCAG AA × Fail

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 76.4593, 0.2827, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

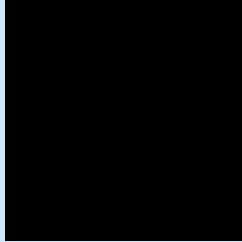
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

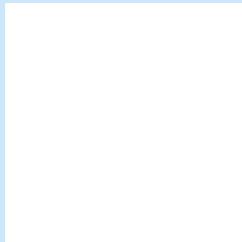
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4593, 0.2827, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 76.4593, 0.2827, 0.3054.

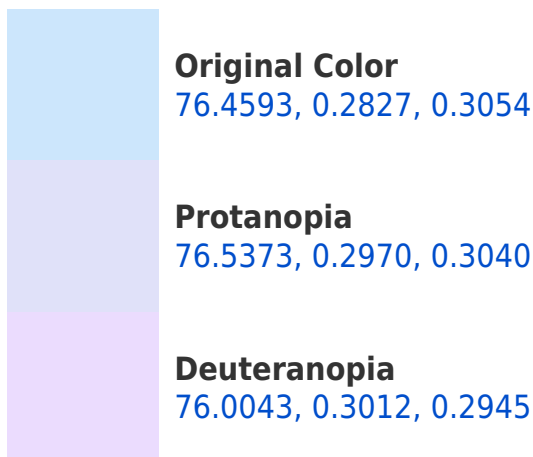


This preview shows how white text looks on a background with the Yxy color 76.4593, 0.2827, 0.3054.

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

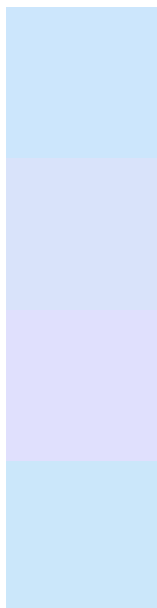




Tritanopia

76.6879, 0.2838, 0.3096

Trichromacy



Original Color

76.4593, 0.2827, 0.3054

Protanomaly

76.5920, 0.2918, 0.3048

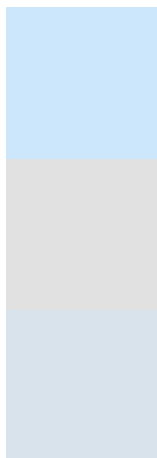
Deuteranomaly

76.2505, 0.2945, 0.2989

Tritanomaly

76.7505, 0.2833, 0.3085

Monochromacy



Original Color

76.4593, 0.2827, 0.3054

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.6880, 0.3009, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4593, 0.2827, 0.3054 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(204, 230, 252)` looks like.

```
.text, #text, p{  
    color:rgb(204, 230, 252)  
}
```

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(204, 230, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 230, 252) }
```

Border

The CSS property to change the border of an element to Yxy 76.4593, 0.2827, 0.3054 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(204, 230, 252) }
```

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

```
.border{ border-color:rgb(204, 230, 252) }
```

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

Here you see how a box with a 4 pixel rgb(204, 230, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 230, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 230, 252);  
box-shadow:4px 4px 4px 4px rgb(204, 230,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4593, 0.2827, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 230, 252) }
```

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

```
.background{ background-color: rgb(204,  
230, 252) }
```

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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