

Converting Colors

$Yxy(76.4598, 0.2833, 0.3024)$

Have a look what the booklet for
Yxy(76.4598, 0.2833, 0.3024)
contains.

Yxy(76.4598, 0.2833, 0.3024)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.4598, 0.2833, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	CFE5FE
RGB	207, 229, 254
RGB Percent	81%, 90%, 100%
CMY	0.1884, 0.1019, 0.0039
CMYK	0.19, 0.10, 0.00, 0.00
HSL	212°, 96%, 90%
HSV	212°, 19%, 100%
XYZ	71.6305, 76.4598, 104.7530
YIQ	225.2720, -21.1370, 3.1110

Conversions

Conversions Part 2

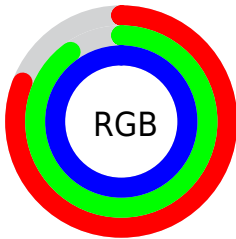
Format	Color
R _Y B	207, 222, 254
Decimal	13624830
CIE Lab	90.07, -2.20, -14.56
CIE LCh	90, 14.720, 261.419
Yxy	76.4598, 0.2833, 0.3024
Android (android.graphics.Color)	4291814910 (0xFFCFE5FE)
YUV	225.2720, 14.1629, -16.0245
Hunter-Lab	87.4413, -6.7980, -9.8194

Details

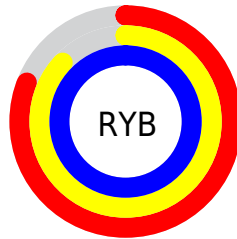
The Yxy color `76.4598, 0.2833, 0.3024` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83.2529, 0.3445, 0.3542`, and the grayscale version is `75.4048, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `40.9787, 0.2768, 0.2972` is the 20% darker color. If you saturate the color by 10%, you get `65.9175, 0.2666, 0.2858`, and if you desaturate by 10%, it is `88.1768, 0.2995, 0.3174`.

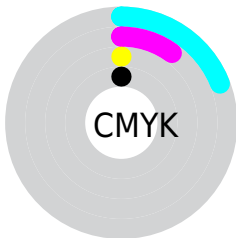
Distribution



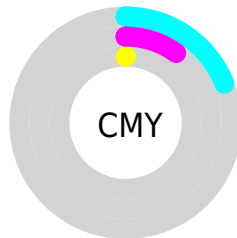
- Red (81%)
- Green (90%)
- Blue (100%)



- Red (81%)
- Yellow (87%)
- Blue (100%)



- Cyan (19%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4598, 0.2833, 0.3024 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 76.4598, 0.2833, 0.3024 by changing the saturation by 10% instead.

■ 76.4598, 0.2833,
0.3024

■ 76.4598, 0.2833,
0.3024

482.9202, 0.2967,
0.3146

■ 56.8096, 0.2803,
0.2996

128.3767, 0.2879,
0.3066

■ 40.8524, 0.2766,
0.2963

161.4121, 0.2897,
0.3082

■ 28.2038, 0.2720,
0.2920

199.6781, 0.2913,
0.3097

■ 18.4793, 0.2661,
0.2865

243.5591, 0.2926,
0.3109

■ 11.2947, 0.2581,
0.2791

293.4394, 0.2938,
0.3120

■ 6.2654, 0.2469,
0.2686

349.7034, 0.2949,

■ 3.0071, 0.2302,

0.3130

0.2527

412.7355, 0.2958,
0.3138

■ 1.1355, 0.2026,
0.2262

■ 0.0080, 0.0000,
0.0077

■ 76.4598, 0.2833,
0.3024

■ 76.4598, 0.2833,
0.3024

■ 65.9175, 0.2666,
0.2858

■ 88.1768, 0.2995,
0.3174

■ 56.4993, 0.2499,
0.2676

99.9362, 0.3133,
0.3299

■ 48.1645, 0.2334,
0.2481

■ 40.8655, 0.2177,
0.2276

■ 34.5509, 0.2035,
0.2066

■ 29.1629, 0.1913,
0.1857

■ 24.6358, 0.1816,
0.1656

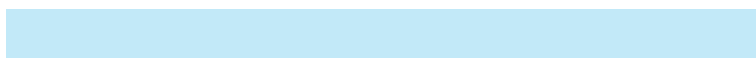
■ 20.8820, 0.1744,
0.1469

■ 20.3790, 0.1734,
0.1442

Harmonies

Analogous

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



76.4598, 0.2793, 0.3123



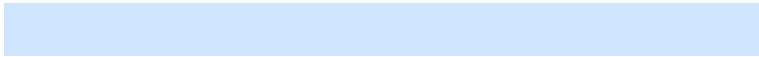
76.4598, 0.2833, 0.3024



76.4598, 0.2950, 0.2997

Triad

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



76.4598, 0.2833, 0.3024



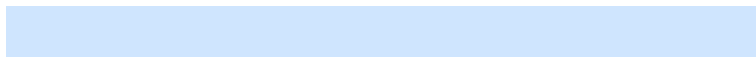
76.4598, 0.3423, 0.3296



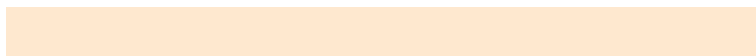
76.4598, 0.3130, 0.3554

Complementary

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



76.4598, 0.2833, 0.3024



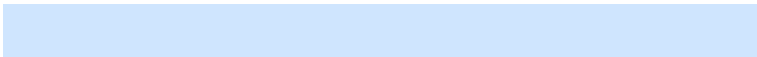
83.2529, 0.3445, 0.3542

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.



76.4598, 0.3301, 0.3598



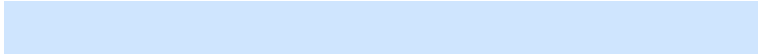
76.4598, 0.2833, 0.3024



76.4598, 0.3473, 0.3443

Square

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



76.4598, 0.2833, 0.3024



76.4598, 0.3291, 0.3152



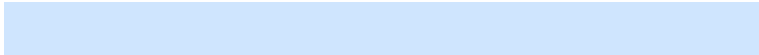
76.4598, 0.3427, 0.3555



76.4598, 0.2961, 0.3433

Rectangle

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



76.4598, 0.2833, 0.3024



76.4598, 0.3058, 0.3021



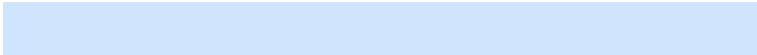
76.4598, 0.3427, 0.3555



76.4598, 0.3189, 0.3579

Sweetspot

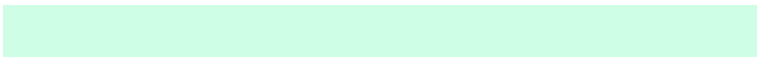
The Sweet Spot groups the original color and five complimentary colors.



76.4629, 0.2833, 0.3024



92.1381, 0.3035, 0.3210



89.9302, 0.2969, 0.3531



19.5439, 0.3024, 0.3201



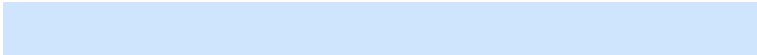
0.0000, 0.0000, 0.0000



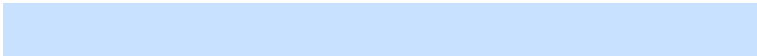
21.4041, 0.3127, 0.3290

Same Dimension

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



76.4629, 0.2833, 0.3024



73.3122, 0.2775, 0.2968



65.1288, 0.2825, 0.2782



18.7824, 0.2979, 0.3160



11.0330, 0.1742, 0.1472



1.2907, 0.1801, 0.1685

Inverse Universe

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



71.3315, 0.3326, 0.3068



67.5085, 0.3372, 0.3024



96.3146, 0.3402, 0.3754



18.1289, 0.3220, 0.3179



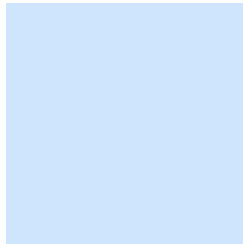
11.8417, 0.5096, 0.2581



1.1748, 0.4825, 0.2432

Previews

White Background



This preview shows how the Yxy color 76.4598, 0.2833, 0.3024 looks on a white background.

Color Contrast Check

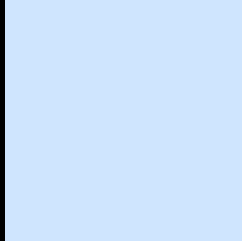
Large Text (above 18pt) WCAG AA × Fail

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 76.4598, 0.2833, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

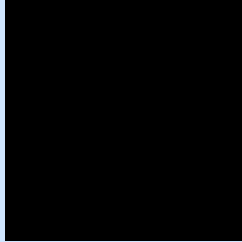
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

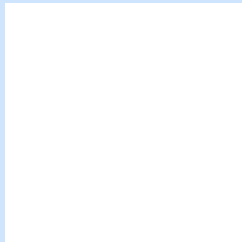
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4598, 0.2833, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 76.4598, 0.2833, 0.3024.

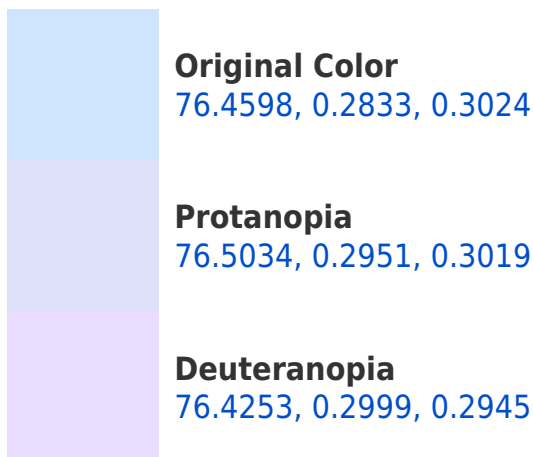


This preview shows how white text looks on a background with the Yxy color 76.4598, 0.2833, 0.3024.

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

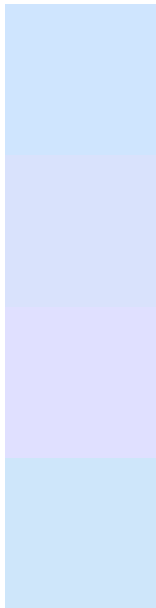




Tritanopia

76.4928, 0.2862, 0.3096

Trichromacy



Original Color

76.4598, 0.2833, 0.3024

Protanomaly

76.1727, 0.2906, 0.3017

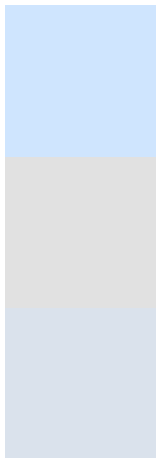
Deuteranomaly

76.3786, 0.2933, 0.2970

Tritanomaly

76.6176, 0.2850, 0.3076

Monochromacy



Original Color

76.4598, 0.2833, 0.3024

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.3543, 0.3009, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4598, 0.2833, 0.3024 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(207, 229, 254)` looks like.

```
.text, #text, p{  
    color:rgb(207, 229, 254)  
}
```

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(207, 229, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 229, 254) }
```

Border

The CSS property to change the border of an element to Yxy 76.4598, 0.2833, 0.3024 is called "border". The border property can be set on classes, ids or directly on the HTML element.

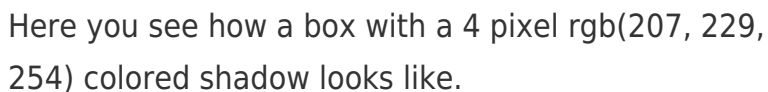
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 229, 254) }
```

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

```
.border{ border-color:rgb(207, 229, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 229, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 229, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 229, 254);  
box-shadow:4px 4px 4px 4px rgb(207, 229,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4598, 0.2833, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 229, 254) }
```

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

```
.background{ background-color: rgb(207,  
229, 254) }
```

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