

Converting Colors

$Yxy(77.8833, 0.2827, 0.3041)$

Have a look what the booklet for
Yxy(77.8833, 0.2827, 0.3041)
contains.

Yxy(78.1986, 0.2830, 0.3046)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.1986, 0.2830, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	CFE8FF
RGB	207, 232, 255
RGB Percent	81%, 91%, 100%
CMY	0.1880, 0.0902, 0.0000
CMYK	0.19, 0.09, 0.00, 0.00
HSL	209°, 100%, 91%
HSV	209°, 19%, 100%
XYZ	72.6533, 78.1986, 105.8736
YIQ	227.1470, -22.2830, 1.8530

Conversions

Conversions Part 2

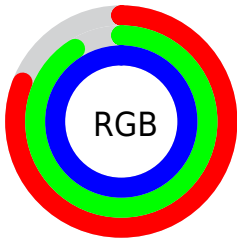
Format	Color
R_{YB}	207, 223, 255
Decimal	13625599
CIE _{Lab}	90.87, -3.48, -13.88
CIE _{LCh}	91, 14.311, 255.923
Yxy	78.1986, 0.2830, 0.3046
Android (android.graphics.Color)	4291815679 (0xFFCFE8FF)
YUV	227.1470, 13.7315, -17.6689
Hunter-Lab	88.4300, -8.0983, -9.0845

Details

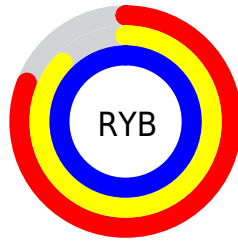
The Yxy color **78.1986, 0.2830, 0.3046** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.4096, 0.3455, 0.3522**, and the grayscale version is **76.8487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8033, 0.2763, 0.2987** is the 20% darker color. If you saturate the color by 10%, you get **68.1645, 0.2667, 0.2896**, and if you desaturate by 10%, it is **89.3122, 0.2991, 0.3182**.

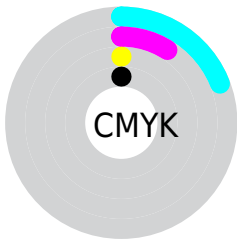
Distribution



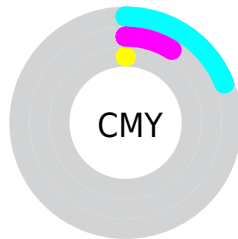
- Red (81%)
- Green (91%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1986, 0.2830, 0.3046 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 78.1986, 0.2830, 0.3046 by changing the saturation by 10% instead.

■ 78.1986, 0.2830,
0.3046

■ 78.1986, 0.2830,
0.3046

488.8410, 0.2965,
0.3158

■ 58.2371, 0.2800,
0.3021

130.8300, 0.2876,
0.3085

■ 41.9993, 0.2763,
0.2990

164.2688, 0.2894,
0.3100

■ 29.1008, 0.2717,
0.2951

202.9688, 0.2910,
0.3113

■ 19.1571, 0.2658,
0.2900

247.3144, 0.2924,
0.3124

■ 11.7838, 0.2579,
0.2833

297.6901, 0.2936,
0.3134

■ 6.5967, 0.2469,
0.2737

354.4801, 0.2946,

■ 3.2112, 0.2305,

0.3143

0.2592

418.0690, 0.2956,
0.3151

■ 1.2429, 0.2037,
0.2349

■ 0.0964, 0.0056,
0.0815

■ 78.1986, 0.2830,
0.3046

■ 78.1986, 0.2830,
0.3046

■ 68.1645, 0.2667,
0.2896

■ 89.3122, 0.2991,
0.3182

■ 59.1628, 0.2503,
0.2732

100.0000, 0.3127,
0.3290

■ 51.1555, 0.2345,
0.2557

■ 44.0989, 0.2196,
0.2372

■ 37.9445, 0.2062,
0.2183

■ 32.6385, 0.1947,
0.1993

■ 28.1186, 0.1856,
0.1808

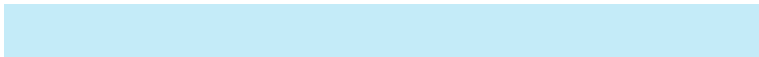
■ 24.2994, 0.1789,
0.1633

■ 23.8745, 0.1781,
0.1612

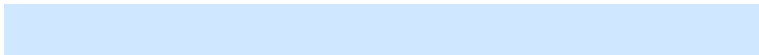
Harmonies

Analogous

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



78.1986, 0.2807, 0.3153



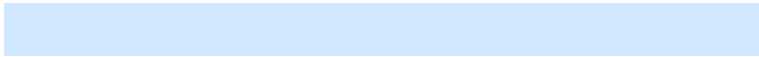
78.1986, 0.2830, 0.3046



78.1986, 0.2931, 0.3006

Triad

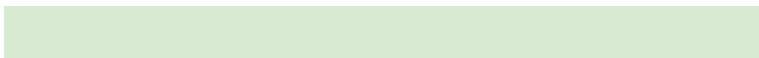
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1986, 0.2830, 0.3046



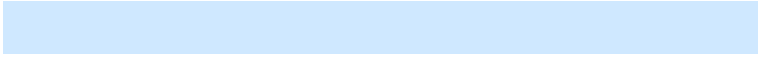
78.1986, 0.3394, 0.3269



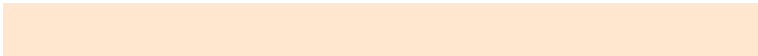
78.1986, 0.3161, 0.3559

Complementary

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



78.1986, 0.2830, 0.3046



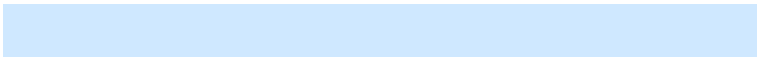
82.4096, 0.3455, 0.3522

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.



78.1986, 0.3322, 0.3585



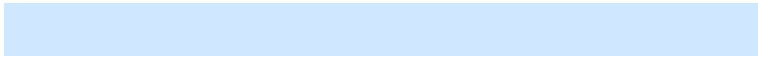
78.1986, 0.2830, 0.3046



78.1986, 0.3459, 0.3413

Square

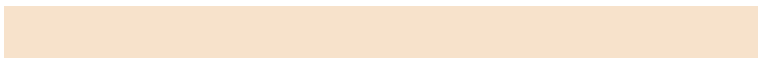
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1986, 0.2830, 0.3046



78.1986, 0.3256, 0.3134



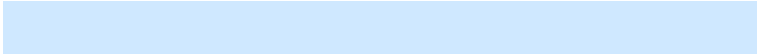
78.1986, 0.3432, 0.3530



78.1986, 0.2995, 0.3454

Rectangle

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



78.1986, 0.2830, 0.3046



78.1986, 0.3031, 0.3020



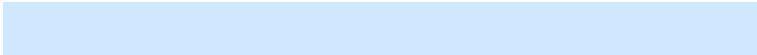
78.1986, 0.3432, 0.3530



78.1986, 0.3217, 0.3577

Sweetspot

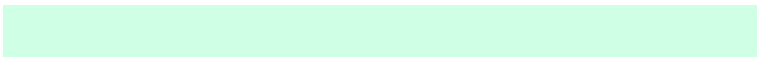
The Sweet Spot groups the original color and five complimentary colors.



78.2016, 0.2830, 0.3046



92.6147, 0.3034, 0.3218



90.4775, 0.2980, 0.3560



19.6565, 0.3024, 0.3209



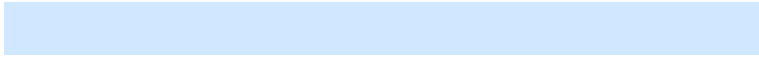
0.0000, 0.0000, 0.0000



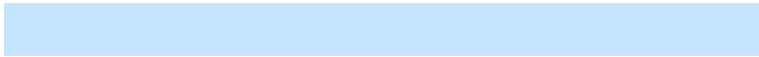
21.4041, 0.3127, 0.3290

Same Dimension

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



78.2016, 0.2830, 0.3046



73.8526, 0.2761, 0.2985



65.9348, 0.2815, 0.2790



18.9401, 0.2979, 0.3173



12.7759, 0.1789, 0.1641



1.4628, 0.1845, 0.1841

Inverse Universe

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



71.7460, 0.3312, 0.3041



66.4351, 0.3362, 0.2982



96.2734, 0.3414, 0.3745



18.1448, 0.3212, 0.3167



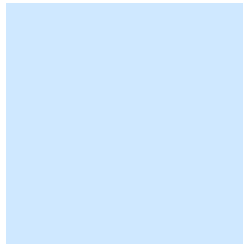
12.0177, 0.4880, 0.2462



1.1922, 0.4637, 0.2328

Previews

White Background



This preview shows how the Yxy color 78.1986, 0.2830, 0.3046 looks on a white background.

Color Contrast Check

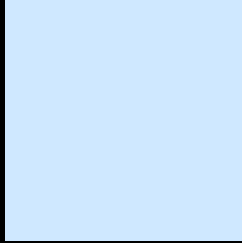
Large Text (above 18pt) WCAG AA × Fail

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 78.1986, 0.2830, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

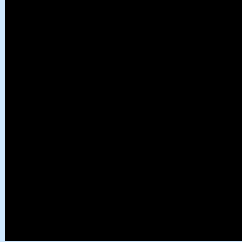
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

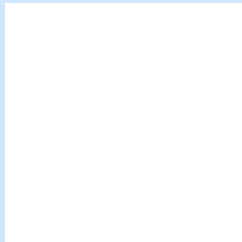
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1986, 0.2830, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 78.1986, 0.2830, 0.3046.

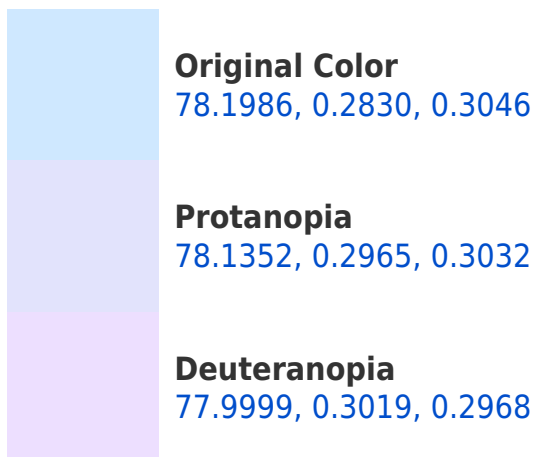


This preview shows how white text looks on a background with the Yxy color 78.1986, 0.2830, 0.3046.

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

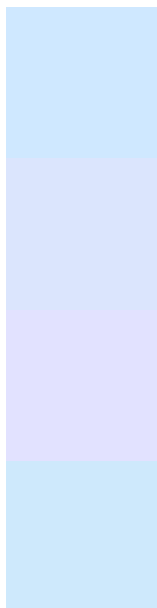




Tritanopia

78.3647, 0.2846, 0.3098

Trichromacy



Original Color

78.1986, 0.2830, 0.3046

Protanomaly

78.1905, 0.2914, 0.3040

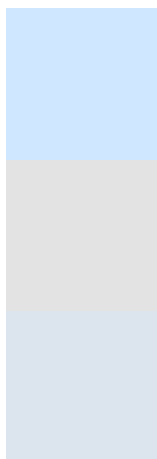
Deuteranomaly

77.7815, 0.2947, 0.2992

Tritanomaly

78.4279, 0.2841, 0.3087

Monochromacy



Original Color

78.1986, 0.2830, 0.3046

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.3687, 0.3017, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1986, 0.2830, 0.3046 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 232, 255)  
}
```

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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.1986, 0.2830, 0.3046 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, 232, 255) }
```

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

```
.border{ border-color:rgb(207, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1986, 0.2830, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 232, 255) }
```

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

```
.background{ background-color: rgb(207,  
232, 255) }
```

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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