

Converting Colors

$Yxy(83.0985, 0.2280, 0.2038)$

Have a look what the booklet for
Yxy(83.0985, 0.2280, 0.2038)
contains.

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Color

Yxy(73.3498, 0.2782, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	C8E1FF
RGB	200, 225, 255
RGB Percent	78%, 88%, 100%
CMY	0.2156, 0.1177, 0.0000
CMYK	0.22, 0.12, 0.00, 0.00
HSL	213°, 100%, 89%
HSV	213°, 22%, 100%
XYZ	68.7994, 73.3498, 105.1528
YIQ	220.9450, -24.5300, 4.0300

Conversions

Conversions Part 2

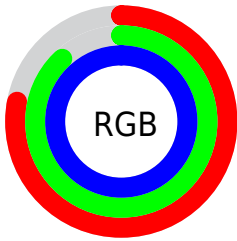
Format	Color
R _{YB}	200, 217, 255
Decimal	13165055
CIE Lab	88.61, -1.99, -17.32
CIE LCh	89, 17.434, 263.457
Yxy	73.3498, 0.2782, 0.2966
Android (android.graphics.Color)	4291355135 (0xFFC8E1FF)
YUV	220.9450, 16.7891, -18.3688
Hunter-Lab	85.6445, -6.4863, -12.8441

Details

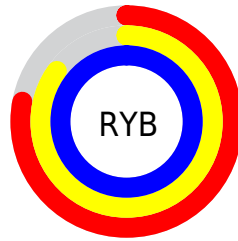
The Yxy color **73.3498, 0.2782, 0.2966** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.0344, 0.3503, 0.3594**, and the grayscale version is **72.1613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.8464, 0.2703, 0.2897** is the 20% darker color. If you saturate the color by 10%, you get **62.9092, 0.2614, 0.2790**, and if you desaturate by 10%, it is **84.9928, 0.2946, 0.3126**.

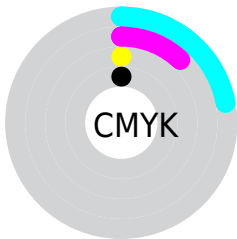
Distribution



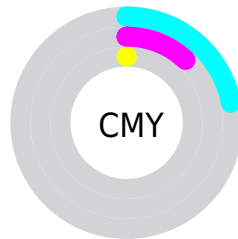
- Red (78%)
- Green (88%)
- Blue (100%)



- Red (78%)
- Yellow (85%)
- Blue (100%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3498, 0.2782, 0.2966 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 73.3498, 0.2782, 0.2966 by changing the saturation by 10% instead.

■ 73.3498, 0.2782,
0.2966

■ 73.3498, 0.2782,
0.2966

472.2263, 0.2940,
0.3115

■ 54.2620, 0.2746,
0.2932

123.9737, 0.2836,
0.3018

■ 38.8112, 0.2703,
0.2891

156.2786, 0.2858,
0.3038

■ 26.6129, 0.2648,
0.2838

193.7580, 0.2876,
0.3055

■ 17.2827, 0.2577,
0.2770

236.7963, 0.2892,
0.3070

■ 10.4363, 0.2482,
0.2678

285.7778, 0.2906,
0.3083

■ 5.6892, 0.2348,
0.2549

341.0871, 0.2919,

■ 2.6570, 0.2147,

0.3095

0.2352

403.1084, 0.2930,
0.3106

0.9554, 0.1819,
0.2025

0.0000, 0.0000,
0.0000

73.3498, 0.2782,
0.2966

73.3498, 0.2782,
0.2966

62.9092, 0.2614,
0.2790

84.9928, 0.2946,
0.3126

53.6217, 0.2445,
0.2598

97.8735, 0.3103,
0.3269

45.4427, 0.2280,
0.2394

100.0000, 0.3127,
0.3290

38.3218, 0.2125,
0.2181

■ 32.2039, 0.1987,
0.1965

■ 27.0273, 0.1870,
0.1753

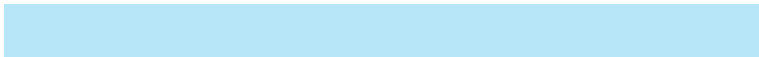
■ 22.7202, 0.1779,
0.1552

■ 19.6792, 0.1721,
0.1395

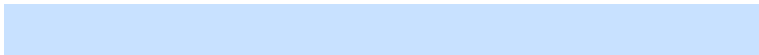
Harmonies

Analogous

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



73.3498, 0.2728, 0.3078



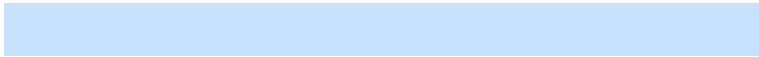
73.3498, 0.2782, 0.2966



73.3498, 0.2927, 0.2941

Triad

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



73.3498, 0.2782, 0.2966



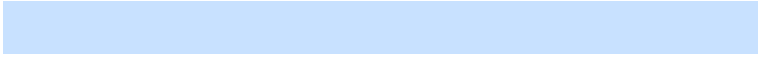
73.3498, 0.3490, 0.3308



73.3498, 0.3115, 0.3602

Complementary

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



73.3498, 0.2782, 0.2966



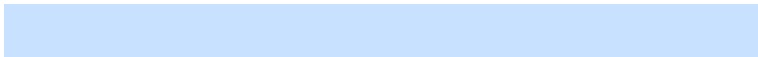
82.0344, 0.3503, 0.3594

Split Complementary

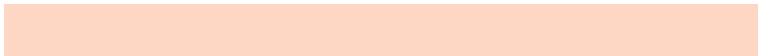
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3498, 0.3322, 0.3661



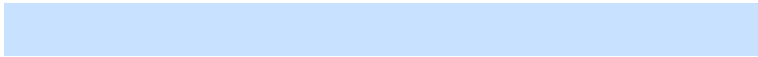
73.3498, 0.2782, 0.2966



73.3498, 0.3543, 0.3482

Square

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



73.3498, 0.2782, 0.2966



73.3498, 0.3337, 0.3135



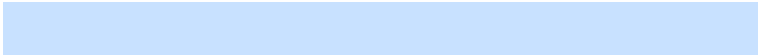
73.3498, 0.3480, 0.3613



73.3498, 0.2916, 0.3450

Rectangle

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



73.3498, 0.2782, 0.2966



73.3498, 0.3058, 0.2974



73.3498, 0.3480, 0.3613



73.3498, 0.3185, 0.3634

Sweetspot

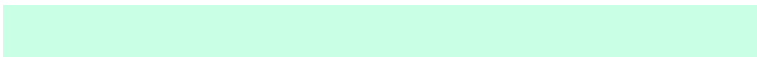
The Sweet Spot groups the original color and five complimentary colors.



73.3517, 0.2782, 0.2966



92.0015, 0.3035, 0.3208



89.4779, 0.2939, 0.3565



19.5116, 0.3024, 0.3198



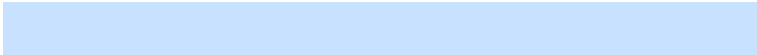
0.0000, 0.0000, 0.0000



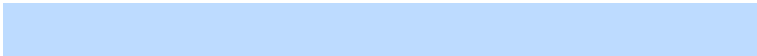
21.4041, 0.3127, 0.3290

Same Dimension

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



73.3517, 0.2782, 0.2966



68.5719, 0.2708, 0.2890



61.0719, 0.2774, 0.2688



18.7373, 0.2979, 0.3157



10.5723, 0.1729, 0.1425



1.2444, 0.1789, 0.1641

Inverse Universe

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



68.0126, 0.3372, 0.3038



62.6315, 0.3436, 0.2983



96.6050, 0.3441, 0.3832



18.1243, 0.3223, 0.3182



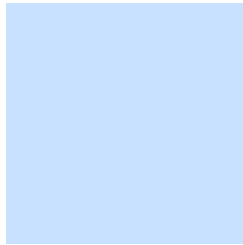
11.7952, 0.5158, 0.2615



1.1702, 0.4880, 0.2462

Previews

White Background



This preview shows how the Yxy color 73.3498, 0.2782, 0.2966 looks on a white background.

Color Contrast Check

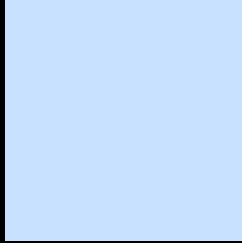
Large Text (above 18pt) WCAG AA × Fail

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 73.3498, 0.2782, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

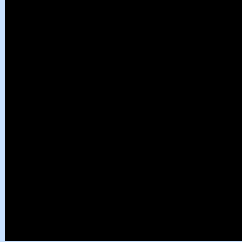
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

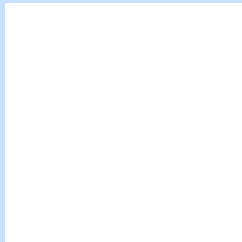
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.3498, 0.2782, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 73.3498, 0.2782, 0.2966.



This preview shows how white text looks on a background with the Yxy color 73.3498, 0.2782, 0.2966.

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

73.3498, 0.2782, 0.2966

Protanopia

72.9664, 0.2904, 0.2952

Deuteranopia

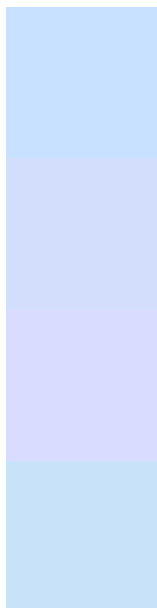
73.1766, 0.2952, 0.2898



Tritanopia

73.5365, 0.2827, 0.3092

Trichromacy



Original Color

73.3498, 0.2782, 0.2966

Protanomaly

73.1833, 0.2860, 0.2960

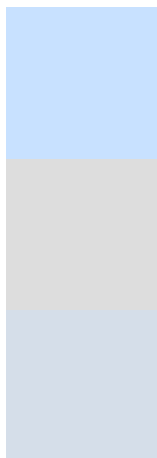
Deuteranomaly

73.1581, 0.2886, 0.2922

Tritanomaly

73.3744, 0.2810, 0.3039

Monochromacy



Original Color

73.3498, 0.2782, 0.2966

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.2719, 0.2994, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3498, 0.2782, 0.2966 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(200, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 225, 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(200, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.3498, 0.2782, 0.2966 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(200, 225, 255) }
```

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

```
.border{ border-color:rgb(200, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3498, 0.2782, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 225, 255) }
```

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

```
.background{ background-color: rgb(200,  
225, 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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