

Converting Colors

$Yxy(74.3425, 0.2732, 0.2804)$

Have a look what the booklet for
Yxy(74.3425, 0.2732, 0.2804)
contains.

Yxy(73.6531, 0.2818, 0.2959)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.6531, 0.2818, 0.2959)

Conversions

Conversions Part 1

Format	Color
Hex	CEE0FF
RGB	206, 224, 255
RGB Percent	81%, 88%, 100%
CMY	0.1924, 0.1215, 0.0000
CMYK	0.19, 0.12, 0.00, 0.00
HSL	218°, 100%, 90%
HSV	218°, 19%, 100%
XYZ	70.1434, 73.6531, 105.1156
YIQ	222.1520, -20.6790, 5.8250

Conversions

Conversions Part 2

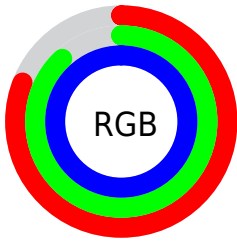
Format	Color
R_{YB}	206, 219, 255
Decimal	13558015
CIE Lab	88.76, 0.30, -17.05
CIE LCh	89, 17.051, 270.999
Yxy	73.6531, 0.2818, 0.2959
Android (android.graphics.Color)	4291748095 (0xFFCEE0FF)
YUV	222.1520, 16.1941, -14.1653
Hunter-Lab	85.8214, -4.2960, -12.5445

Details

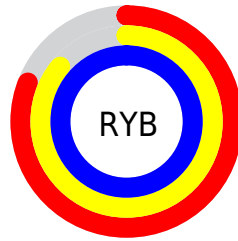
The Yxy color **73.6531, 0.2818, 0.2959** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.2199, 0.3450, 0.3600**, and the grayscale version is **73.0486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.0325, 0.2748, 0.2887** is the 20% darker color. If you saturate the color by 10%, you get **62.0521, 0.2645, 0.2758**, and if you desaturate by 10%, it is **86.6710, 0.2983, 0.3140**.

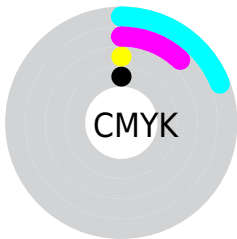
Distribution



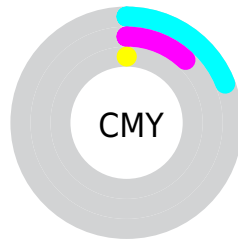
- Red (81%)
- Green (88%)
- Blue (100%)



- Red (81%)
- Yellow (86%)
- Blue (100%)



- Cyan (19%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6531, 0.2818, 0.2959 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 73.6531, 0.2818, 0.2959 by changing the saturation by 10% instead.

■ 73.6531, 0.2818,
0.2959

■ 73.6531, 0.2818,
0.2959

473.2752, 0.2960,
0.3111

■ 54.5102, 0.2786,
0.2925

124.4039, 0.2867,
0.3011

■ 39.0097, 0.2747,
0.2883

156.7806, 0.2886,
0.3032

■ 26.7673, 0.2697,
0.2830

194.3373, 0.2902,
0.3049

■ 17.3985, 0.2633,
0.2762

237.4585, 0.2917,
0.3065

■ 10.5190, 0.2547,
0.2670

286.5284, 0.2930,
0.3078

■ 5.7444, 0.2426,
0.2540

341.9316, 0.2941,

■ 2.6903, 0.2243,

0.3090

0.2345

404.0524, 0.2951,
0.3101

0.9723, 0.1939,
0.2023

0.0000, 0.0000,
0.0000

73.6531, 0.2818,
0.2959

73.6531, 0.2818,
0.2959

62.0521, 0.2645,
0.2758

86.6710, 0.2983,
0.3140

51.8079, 0.2468,
0.2538

99.9992, 0.3127,
0.3290

42.8690, 0.2291,
0.2303

35.1768, 0.2122,
0.2058

■ 28.6675, 0.1967,
0.1811

■ 23.2705, 0.1834,
0.1571

■ 18.9053, 0.1730,
0.1349

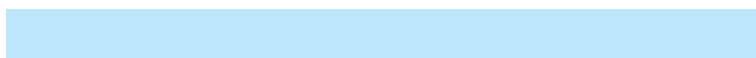
■ 15.4635, 0.1655,
0.1153

■ 15.2308, 0.1650,
0.1140

Harmonies

Analogous

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



73.6531, 0.2741, 0.3048



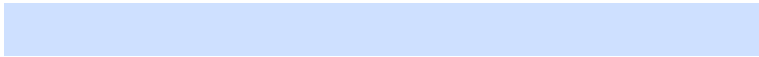
73.6531, 0.2818, 0.2959



73.6531, 0.2977, 0.2957

Triad

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



73.6531, 0.2818, 0.2959



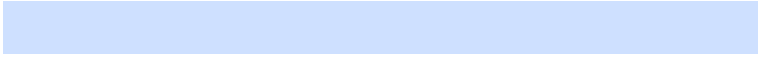
73.6531, 0.3505, 0.3352



73.6531, 0.3063, 0.3565

Complementary

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



73.6531, 0.2818, 0.2959



86.2199, 0.3450, 0.3600

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.



73.6531, 0.3269, 0.3648



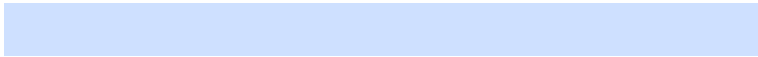
73.6531, 0.2818, 0.2959



73.6531, 0.3528, 0.3516

Square

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



73.6531, 0.2818, 0.2959



73.6531, 0.3377, 0.3179



73.6531, 0.3440, 0.3627



73.6531, 0.2879, 0.3400

Rectangle

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



73.6531, 0.2818, 0.2959



73.6531, 0.3112, 0.3002



73.6531, 0.3440, 0.3627



73.6531, 0.3132, 0.3603

Sweetspot

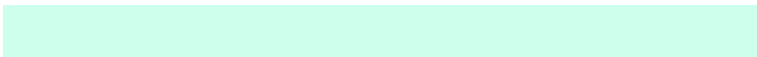
The Sweet Spot groups the original color and five complimentary colors.



73.6561, 0.2818, 0.2959



91.2050, 0.3035, 0.3195



90.6914, 0.2937, 0.3488



19.3236, 0.3024, 0.3184



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.



73.6561, 0.2818, 0.2959



69.1347, 0.2754, 0.2886



65.2765, 0.2845, 0.2765



18.4748, 0.2979, 0.3136



8.2195, 0.1658, 0.1170



1.0006, 0.1721, 0.1394

Inverse Universe

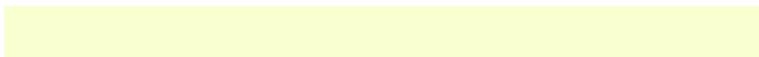
The Inverse Universe completely reimagines the original color for something new.



70.7519, 0.3371, 0.3108



65.9588, 0.3431, 0.3070



96.1536, 0.3380, 0.3777



18.0978, 0.3236, 0.3203



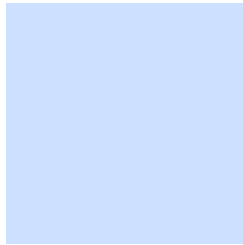
11.5577, 0.5510, 0.2809



1.1456, 0.5199, 0.2638

Previews

White Background



This preview shows how the Yxy color 73.6531, 0.2818, 0.2959 looks on a white background.

Color Contrast Check

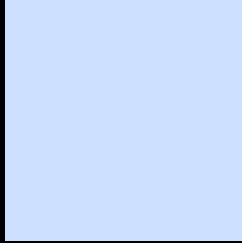
Large Text (above 18pt) WCAG AA × Fail

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 73.6531, 0.2818, 0.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

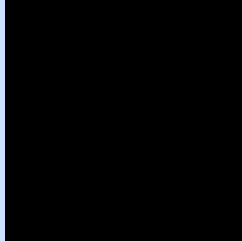
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

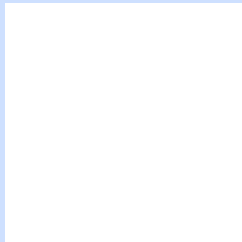
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.6531, 0.2818, 0.2959

Background



This preview shows how black text looks on a background with the Yxy color 73.6531, 0.2818, 0.2959.

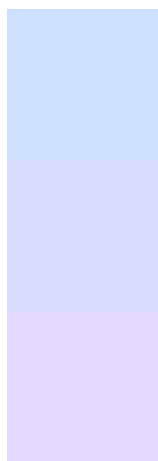


This preview shows how white text looks on a background with the Yxy color 73.6531, 0.2818, 0.2959.

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

73.6531, 0.2818, 0.2959

Protanopia

73.5565, 0.2899, 0.2953

Deuteranopia

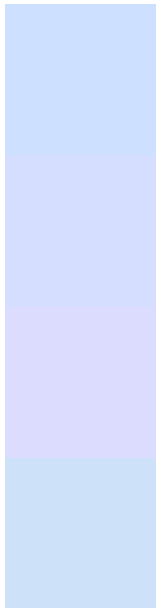
73.3397, 0.2959, 0.2899



Tritanopia

73.7617, 0.2870, 0.3094

Trichromacy



Original Color

73.6531, 0.2818, 0.2959

Protanomaly

73.5444, 0.2867, 0.2951

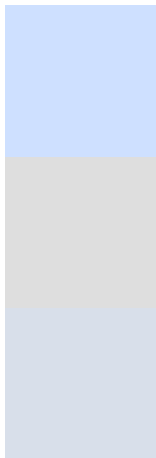
Deuteranomaly

73.6220, 0.2906, 0.2924

Tritanomaly

73.6069, 0.2853, 0.3041

Monochromacy



Original Color

73.6531, 0.2818, 0.2959

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.3148, 0.3009, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6531, 0.2818, 0.2959 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(206, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 224, 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(206, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.6531, 0.2818, 0.2959 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(206, 224, 255) }
```

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

```
.border{ border-color:rgb(206, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6531, 0.2818, 0.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 224, 255) }
```

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

```
.background{ background-color: rgb(206,  
224, 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](#).

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