

Converting Colors

$Yxy(72.0884, 0.2803, 0.2888)$

Have a look what the booklet for
Yxy(72.0884, 0.2803, 0.2888)
contains.

Yxy(71.6718, 0.2822, 0.2915)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.6718, 0.2822, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	CFDCFF
RGB	207, 220, 255
RGB Percent	81%, 86%, 100%
CMY	0.1881, 0.1373, 0.0000
CMYK	0.19, 0.14, 0.00, 0.00
HSL	224°, 100%, 91%
HSV	224°, 19%, 100%
XYZ	69.3852, 71.6718, 104.8154
YIQ	220.1030, -18.9830, 8.1290

Conversions

Conversions Part 2

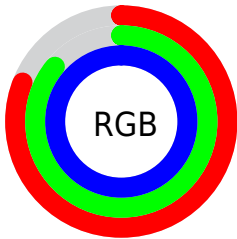
Format	Color
R _Y B	207, 217, 255
Decimal	13622527
CIE Lab	87.81, 2.75, -18.49
CIE LCh	88, 18.698, 278.455
Yxy	71.6718, 0.2822, 0.2915
Android (android.graphics.Color)	4291812607 (0xFFCFDCFF)
YUV	220.1030, 17.2042, -11.4913
Hunter-Lab	84.6592, -1.8581, -14.1447

Details

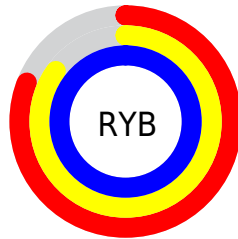
The Yxy color **71.6718, 0.2822, 0.2915** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.2910, 0.3434, 0.3639**, and the grayscale version is **71.5359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.6629, 0.2751, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **59.0609, 0.2643, 0.2682**, and if you desaturate by 10%, it is **85.9641, 0.2990, 0.3125**.

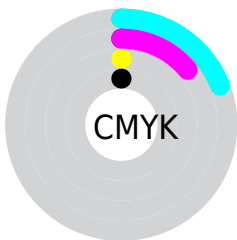
Distribution



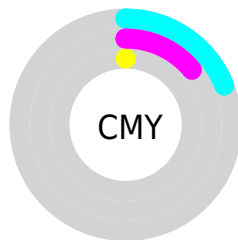
- Red (81%)
- Green (86%)
- Blue (100%)



- Red (81%)
- Yellow (85%)
- Blue (100%)



- Cyan (19%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6718, 0.2822, 0.2915 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 71.6718, 0.2822, 0.2915 by changing the saturation by 10% instead.

■ 71.6718, 0.2822,
0.2915

■ 71.6718, 0.2822,
0.2915

466.3984, 0.2963,
0.3087

■ 52.8906, 0.2790,
0.2876

121.5898, 0.2871,
0.2974

■ 37.7155, 0.2751,
0.2829

153.4954, 0.2890,
0.2997

■ 25.7619, 0.2701,
0.2769

190.5446, 0.2906,
0.3017

■ 16.6456, 0.2636,
0.2692

233.1218, 0.2920,
0.3035

■ 9.9821, 0.2549,
0.2589

281.6114, 0.2933,
0.3050

■ 5.3871, 0.2425,
0.2443

336.3978, 0.2944,

■ 2.4761, 0.2237,

0.3064

0.2225

397.8653, 0.2954,
0.3076

■ 0.8647, 0.1923,
0.1868

■ 0.0000, 0.0000,
0.0000

■ 71.6718, 0.2822,
0.2915

■ 71.6718, 0.2822,
0.2915

■ 59.0609, 0.2643,
0.2682

■ 85.9641, 0.2990,
0.3125

■ 48.0659, 0.2457,
0.2427

100.0000, 0.3127,
0.3290

■ 38.6193, 0.2268,
0.2155

■ 30.6477, 0.2085,
0.1875

■ 24.0717, 0.1918,
0.1597

■ 18.8032, 0.1775,
0.1336

■ 14.7425, 0.1665,
0.1107

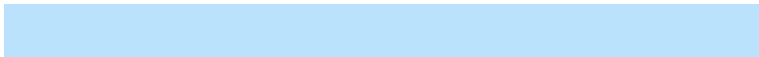
■ 11.7625, 0.1591,
0.0920

■ 11.4664, 0.1583,
0.0900

Harmonies

Analogous

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



71.6718, 0.2712, 0.2989



71.6718, 0.2822, 0.2915



71.6718, 0.3015, 0.2937

Triad

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



71.6718, 0.2822, 0.2915



71.6718, 0.3564, 0.3405



71.6718, 0.3001, 0.3556

Complementary

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



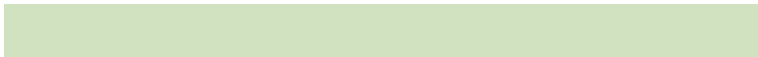
71.6718, 0.2822, 0.2915



89.2910, 0.3434, 0.3639

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.



71.6718, 0.3228, 0.3675



71.6718, 0.2822, 0.2915



71.6718, 0.3558, 0.3576

Square

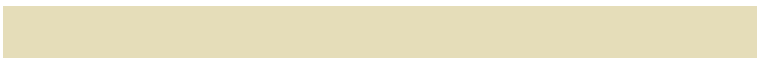
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6718, 0.2822, 0.2915



71.6718, 0.3448, 0.3213



71.6718, 0.3433, 0.3679



71.6718, 0.2813, 0.3359

Rectangle

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



71.6718, 0.2822, 0.2915



71.6718, 0.3167, 0.3000



71.6718, 0.3433, 0.3679



71.6718, 0.3075, 0.3607

Sweetspot

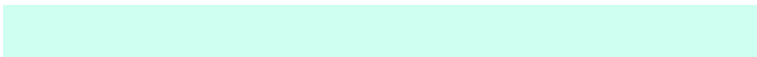
The Sweet Spot groups the original color and five complimentary colors.



71.6723, 0.2822, 0.2915



90.2950, 0.3035, 0.3180



91.1647, 0.2915, 0.3432



19.1089, 0.3025, 0.3167



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.



71.6723, 0.2822, 0.2915



66.1906, 0.2748, 0.2821



66.6755, 0.2884, 0.2783



18.1764, 0.2979, 0.3111



6.2010, 0.1591, 0.0927



0.7754, 0.1650, 0.1140

Inverse Universe

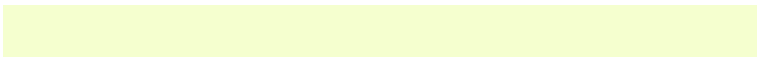
The Inverse Universe completely reimagines the original color for something new.



71.0660, 0.3400, 0.3159



65.6616, 0.3477, 0.3129



95.3680, 0.3343, 0.3771



18.0677, 0.3252, 0.3226



11.3540, 0.5870, 0.3008



1.1228, 0.5552, 0.2832

Previews

White Background



This preview shows how the Yxy color 71.6718, 0.2822, 0.2915 looks on a white background.

Color Contrast Check

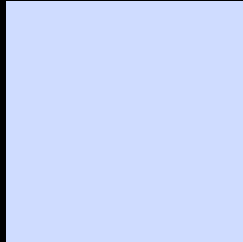
Large Text (above 18pt) WCAG AA × Fail

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 71.6718, 0.2822, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

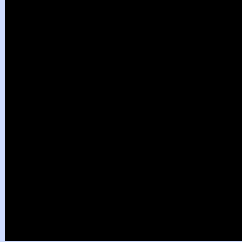
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6718, 0.2822, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 71.6718, 0.2822, 0.2915.



This preview shows how white text looks on a background with the Yxy color 71.6718, 0.2822, 0.2915.

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

71.6718, 0.2822, 0.2915

Protanopia

71.5947, 0.2872, 0.2909

Deuteranopia

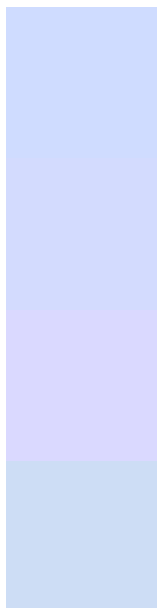
71.6682, 0.2931, 0.2874



Tritanopia

71.3712, 0.2892, 0.3092

Trichromacy



Original Color

71.6718, 0.2822, 0.2915

Protanomaly

71.6677, 0.2853, 0.2917

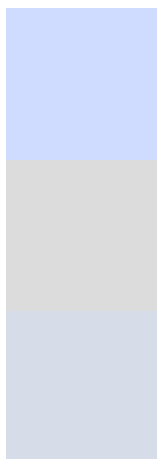
Deuteranomaly

71.7511, 0.2892, 0.2891

Tritanomaly

71.2846, 0.2868, 0.3028

Monochromacy



Original Color

71.6718, 0.2822, 0.2915

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.5167, 0.3008, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6718, 0.2822, 0.2915 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, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 220, 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, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.6718, 0.2822, 0.2915 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, 220, 255) }
```

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

```
.border{ border-color:rgb(207, 220, 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, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6718, 0.2822, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 220, 255) }
```

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

```
.background{ background-color: rgb(207,  
220, 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