

Converting Colors

$Y_{xy}(79.6720, 0.2505, 0.2419)$

Have a look what the booklet for
Yxy(79.6720, 0.2505, 0.2419)
contains.

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Color

Yxy(75.2800, 0.2820, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	CEE3FF
RGB	206, 227, 255
RGB Percent	81%, 89%, 100%
CMY	0.1922, 0.1098, 0.0000
CMYK	0.19, 0.11, 0.00, 0.00
HSL	214°, 100%, 90%
HSV	214°, 19%, 100%
XYZ	70.9761, 75.2800, 105.4323
YIQ	223.9130, -21.5040, 4.2560

Conversions

Conversions Part 2

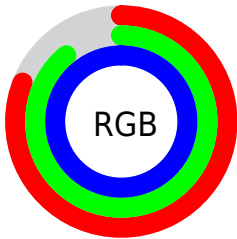
Format	Color
R _Y B	206, 221, 255
Decimal	13558783
CIE Lab	89.52, -1.22, -15.93
CIE LCh	90, 15.973, 265.612
Yxy	75.2800, 0.2820, 0.2991
Android (android.graphics.Color)	4291748863 (0xFFCEE3FF)
YUV	223.9130, 15.3259, -15.7097
Hunter-Lab	86.7640, -5.8176, -11.3121

Details

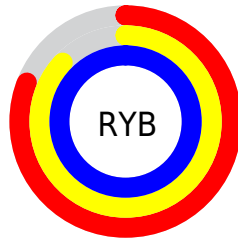
The Yxy color **75.2800, 0.2820, 0.2991** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.5565, 0.3455, 0.3571**, and the grayscale version is **74.3747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.1616, 0.2751, 0.2930** is the 20% darker color. If you saturate the color by 10%, you get **64.2869, 0.2651, 0.2810**, and if you desaturate by 10%, it is **87.5401, 0.2984, 0.3155**.

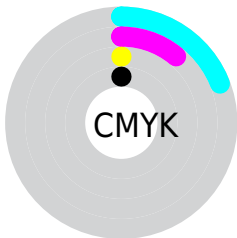
Distribution



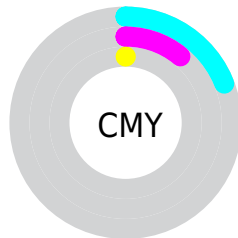
- Red (81%)
- Green (89%)
- Blue (100%)



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



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2800, 0.2820, 0.2991 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 75.2800, 0.2820, 0.2991 by changing the saturation by 10% instead.

■ 75.2800, 0.2820,
0.2991

■ 75.2800, 0.2820,
0.2991

478.8794, 0.2960,
0.3128

■ 55.8423, 0.2789,
0.2960

126.7086, 0.2868,
0.3038

■ 40.0765, 0.2750,
0.2922

159.4684, 0.2887,
0.3057

■ 27.5982, 0.2701,
0.2874

197.4376, 0.2903,
0.3073

■ 18.0230, 0.2639,
0.2813

241.0006, 0.2918,
0.3087

■ 10.9665, 0.2555,
0.2729

290.5420, 0.2930,
0.3099

■ 6.0443, 0.2437,
0.2612

346.4459, 0.2941,

■ 2.8720, 0.2260,

0.3110

0.2435

409.0969, 0.2951,
0.3119

■ 1.0653, 0.1968,
0.2142

■ 0.0000, 0.0000,
0.0000

■ 75.2800, 0.2820,
0.2991

■ 75.2800, 0.2820,
0.2991

■ 64.2869, 0.2651,
0.2810

■ 87.5401, 0.2984,
0.3155

■ 54.5147, 0.2479,
0.2613

100.0000, 0.3127,
0.3290

■ 45.9157, 0.2310,
0.2401

■ 38.4379, 0.2149,
0.2179

■ 32.0250, 0.2002,
0.1954

■ 26.6140, 0.1876,
0.1732

■ 22.1332, 0.1777,
0.1521

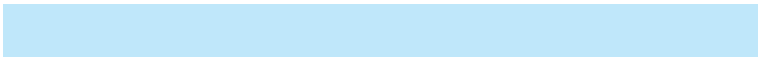
■ 18.4834, 0.1704,
0.1329

■ 18.2251, 0.1699,
0.1314

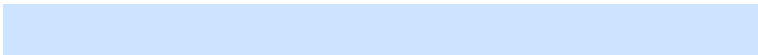
Harmonies

Analogous

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



75.2800, 0.2764, 0.3088



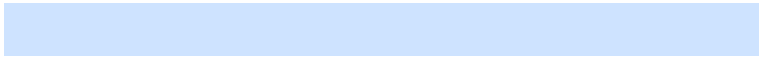
75.2800, 0.2820, 0.2991



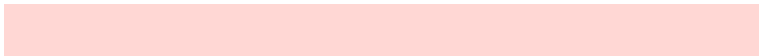
75.2800, 0.2957, 0.2974

Triad

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



75.2800, 0.2820, 0.2991



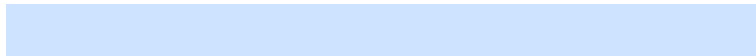
75.2800, 0.3464, 0.3319



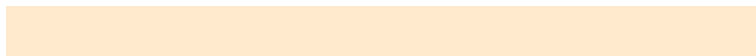
75.2800, 0.3102, 0.3565

Complementary

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



75.2800, 0.2820, 0.2991



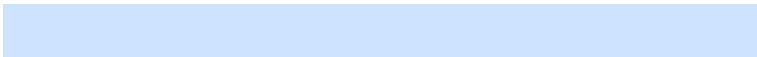
84.5565, 0.3455, 0.3571

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.



75.2800, 0.3292, 0.3626



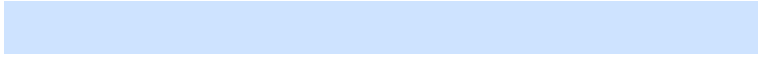
75.2800, 0.2820, 0.2991



75.2800, 0.3504, 0.3476

Square

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



75.2800, 0.2820, 0.2991



75.2800, 0.3330, 0.3160



75.2800, 0.3440, 0.3590



75.2800, 0.2924, 0.3423

Rectangle

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



75.2800, 0.2820, 0.2991



75.2800, 0.3078, 0.3007



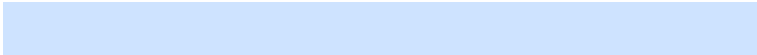
75.2800, 0.3440, 0.3590



75.2800, 0.3167, 0.3596

Sweetspot

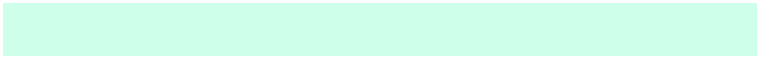
The Sweet Spot groups the original color and five complimentary colors.



75.2803, 0.2820, 0.2991



91.7620, 0.3035, 0.3204



90.5678, 0.2950, 0.3514



19.4551, 0.3024, 0.3194



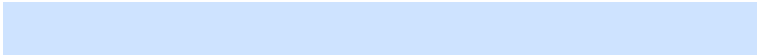
0.0000, 0.0000, 0.0000



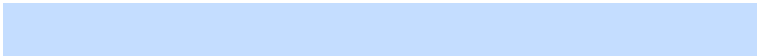
21.4041, 0.3127, 0.3290

Same Dimension

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



75.2803, 0.2820, 0.2991



70.9763, 0.2757, 0.2925



64.9529, 0.2828, 0.2763



18.6582, 0.2979, 0.3151



9.8054, 0.1707, 0.1345



1.1664, 0.1768, 0.1565

Inverse Universe

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



70.9457, 0.3349, 0.3079



66.1447, 0.3404, 0.3035



96.6215, 0.3396, 0.3774



18.1164, 0.3227, 0.3189



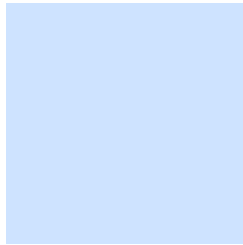
11.7178, 0.5266, 0.2674



1.1623, 0.4976, 0.2515

Previews

White Background



This preview shows how the Yxy color 75.2800, 0.2820, 0.2991 looks on a white background.

Color Contrast Check

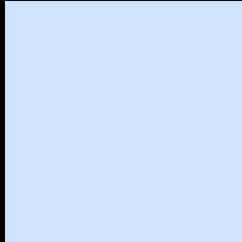
Large Text (above 18pt) WCAG AA × Fail

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 75.2800, 0.2820, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

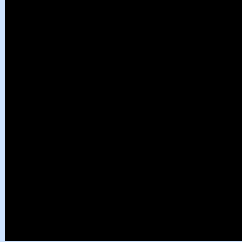
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

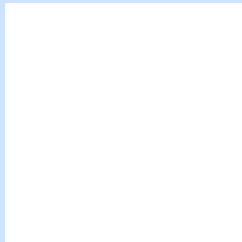
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.2800, 0.2820, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 75.2800, 0.2820, 0.2991.



This preview shows how white text looks on a background with the Yxy color 75.2800, 0.2820, 0.2991.

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

75.2800, 0.2820, 0.2991

Protanopia

75.0193, 0.2925, 0.2986

Deuteranopia

74.8720, 0.2979, 0.2922



Tritanopia

75.0396, 0.2854, 0.3084

Trichromacy



Original Color

75.2800, 0.2820, 0.2991

Protanomaly

74.8502, 0.2887, 0.2984

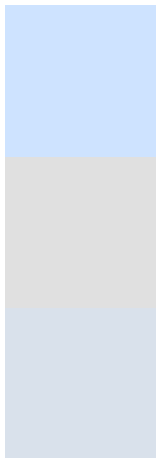
Deuteranomaly

74.9921, 0.2920, 0.2947

Tritanomaly

75.3681, 0.2843, 0.3053

Monochromacy



Original Color

75.2800, 0.2820, 0.2991

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.6003, 0.3009, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2800, 0.2820, 0.2991 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 227, 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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.2800, 0.2820, 0.2991 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, 227, 255) }
```

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

```
.border{ border-color:rgb(206, 227, 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, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2800, 0.2820, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 227, 255) }
```

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

```
.background{ background-color: rgb(206,  
227, 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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