

Converting Colors

$Y_{xy}(72.5593, 0.2805, 0.2941)$

Have a look what the booklet for
Yxy(72.5593, 0.2805, 0.2941)
contains.

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Color

Yxy(72.2999, 0.2804, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	CCDEFF
RGB	204, 222, 255
RGB Percent	80%, 87%, 100%
CMY	0.2001, 0.1294, 0.0000
CMYK	0.20, 0.13, 0.00, 0.00
HSL	219°, 100%, 90%
HSV	219°, 20%, 100%
XYZ	69.0729, 72.2999, 104.9642
YIQ	220.3800, -21.3210, 6.4470

Conversions

Conversions Part 2

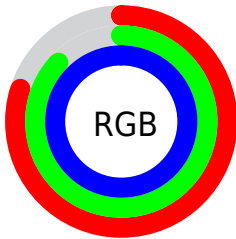
Format	Color
R_{YB}	204, 217, 255
Decimal	13426431
CIE _{Lab}	88.11, 0.77, -18.07
CIE _{LCh}	88, 18.083, 272.438
Yxy	72.2999, 0.2804, 0.2935
Android (android.graphics.Color)	4291616511 (0xFFCCDEFF)
YUV	220.3800, 17.0677, -14.3653
Hunter-Lab	85.0293, -3.7984, -13.6698

Details

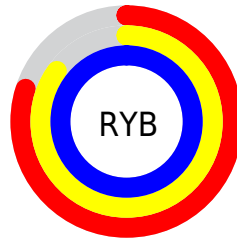
The Yxy color $72.2999, 0.2804, 0.2935$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $86.1652, 0.3463, 0.3621$, and the grayscale version is $71.7349, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.1042, 0.2730, 0.2857$ is the 20% darker color. If you saturate the color by 10%, you get $60.6528, 0.2630, 0.2728$, and if you desaturate by 10%, it is $85.3927, 0.2971, 0.3123$.

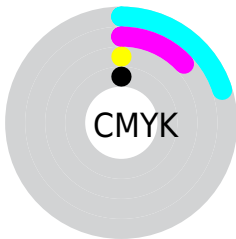
Distribution



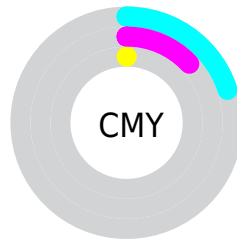
- Red (80%)
- Green (87%)
- Blue (100%)



- Red (80%)
- Yellow (85%)
- Blue (100%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2999, 0.2804, 0.2935 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 72.2999, 0.2804, 0.2935 by changing the saturation by 10% instead.

■ 72.2999, 0.2804,
0.2935

■ 72.2999, 0.2804,
0.2935

468.5848, 0.2953,
0.3098

■ 53.4037, 0.2770,
0.2898

122.4828, 0.2855,
0.2991

■ 38.1251, 0.2729,
0.2853

154.5383, 0.2875,
0.3013

■ 26.0798, 0.2677,
0.2796

191.7490, 0.2893,
0.3032

■ 16.8834, 0.2609,
0.2722

234.4994, 0.2908,
0.3049

■ 10.1514, 0.2518,
0.2624

283.1737, 0.2921,
0.3063

■ 5.4994, 0.2390,
0.2484

338.1565, 0.2933,

■ 2.5432, 0.2196,

0.3076

0.2274

399.8320, 0.2943,
0.3088

0.8982, 0.1874,
0.1928

0.0000, 0.0000,
0.0000

72.2999, 0.2804,
0.2935

72.2999, 0.2804,
0.2935

60.6528, 0.2630,
0.2728

85.3927, 0.2971,
0.3123

50.3991, 0.2451,
0.2501

99.9822, 0.3127,
0.3290

41.4819, 0.2273,
0.2259

100.0000, 0.3127,
0.3290

33.8401, 0.2102,
0.2008

■ 27.4075, 0.1947,
0.1756

■ 22.1104, 0.1814,
0.1513

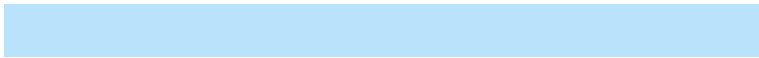
■ 17.8648, 0.1711,
0.1291

■ 14.5546, 0.1638,
0.1098

Harmonies

Analogous

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



72.2999, 0.2717, 0.3025



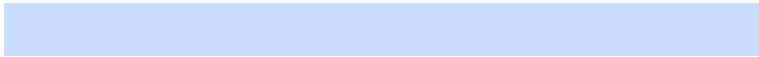
72.2999, 0.2804, 0.2935



72.2999, 0.2977, 0.2937

Triad

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



72.2999, 0.2804, 0.2935



72.2999, 0.3535, 0.3364



72.2999, 0.3048, 0.3577

Complementary

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



72.2999, 0.2804, 0.2935



86.1652, 0.3463, 0.3621

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.



72.2999, 0.3268, 0.3671



72.2999, 0.2804, 0.2935



72.2999, 0.3554, 0.3537

Square

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



72.2999, 0.2804, 0.2935



72.2999, 0.3402, 0.3180



72.2999, 0.3454, 0.3653



72.2999, 0.2855, 0.3398

Rectangle

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



72.2999, 0.2804, 0.2935



72.2999, 0.3121, 0.2988



72.2999, 0.3454, 0.3653



72.2999, 0.3121, 0.3620

Sweetspot

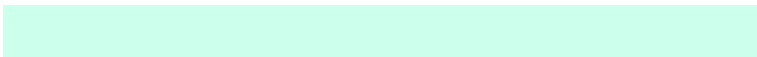
The Sweet Spot groups the original color and five complimentary colors.



72.2996, 0.2804, 0.2936



91.0629, 0.3035, 0.3192



90.4261, 0.2925, 0.3487



19.2901, 0.3024, 0.3181



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.



72.2996, 0.2804, 0.2936



67.4839, 0.2735, 0.2855



64.2072, 0.2837, 0.2742



18.4281, 0.2979, 0.3132



7.8585, 0.1647, 0.1128



0.9617, 0.1709, 0.1352

Inverse Universe

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



69.7060, 0.3389, 0.3108



64.6831, 0.3455, 0.3070



95.8705, 0.3385, 0.3798



18.0931, 0.3238, 0.3206



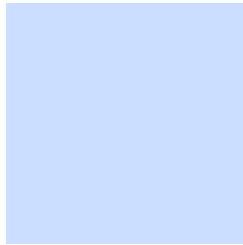
11.5213, 0.5570, 0.2842



1.1416, 0.5255, 0.2669

Previews

White Background



This preview shows how the Yxy color 72.2999, 0.2804, 0.2935 looks on a white background.

Color Contrast Check

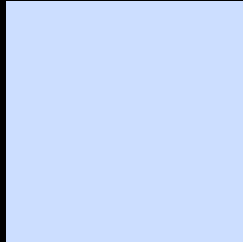
Large Text (above 18pt) WCAG AA × Fail

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 72.2999, 0.2804, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

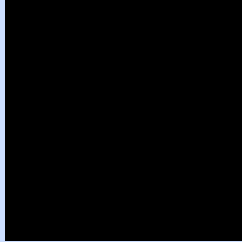
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

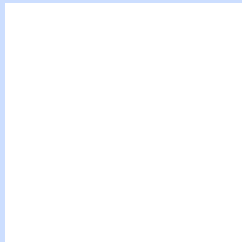
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2999, 0.2804, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 72.2999, 0.2804, 0.2935.

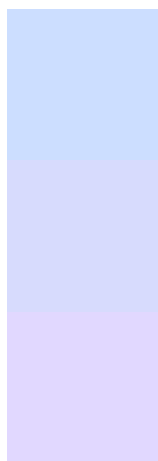


This preview shows how white text looks on a background with the Yxy color 72.2999, 0.2804, 0.2935.

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

72.2999, 0.2804, 0.2935

Protanopia

72.2020, 0.2885, 0.2930

Deuteranopia

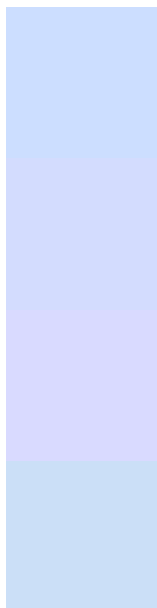
72.3393, 0.2938, 0.2886



Tritanopia

72.2787, 0.2868, 0.3092

Trichromacy



Original Color

72.2999, 0.2804, 0.2935

Protanomaly

72.1910, 0.2853, 0.2928

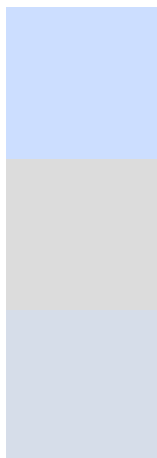
Deuteranomaly

72.1145, 0.2886, 0.2901

Tritanomaly

72.1873, 0.2845, 0.3029

Monochromacy



Original Color

72.2999, 0.2804, 0.2935

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.8922, 0.3001, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2999, 0.2804, 0.2935 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(204, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 222, 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(204, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.2999, 0.2804, 0.2935 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(204, 222, 255) }
```

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

```
.border{ border-color:rgb(204, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2999, 0.2804, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 222, 255) }
```

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

```
.background{ background-color: rgb(204,  
222, 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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