

Converting Colors

$Yxy(72.8361, 0.2683, 0.2993)$

Have a look what the booklet for
Yxy(72.8361, 0.2683, 0.2993)
contains.

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Color

Yxy(72.7741, 0.2685, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	B7E4FF
RGB	183, 228, 255
RGB Percent	72%, 89%, 100%
CMY	0.2822, 0.1059, 0.0000
CMYK	0.28, 0.11, 0.00, 0.00
HSL	203°, 100%, 86%
HSV	203°, 28%, 100%
XYZ	65.3288, 72.7741, 105.2074
YIQ	217.6230, -35.4870, -1.1430

Conversions

Conversions Part 2

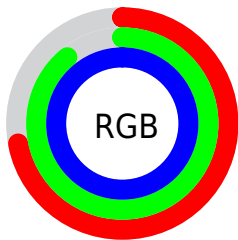
Format	Color
RYB	183, 211, 255
Decimal	12051711
CIELab	88.34, -8.48, -17.83
CIELCh	88, 19.743, 244.552
Yxy	72.7741, 0.2685, 0.2991
Android (android.graphics.Color)	4290241791 (0xFFB7E4FF)
YUV	217.6230, 18.4269, -30.3644
Hunter-Lab	85.3077, -12.5929, -13.4051

Details

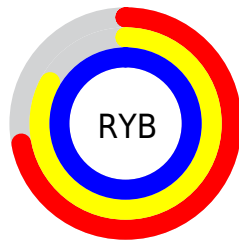
The Yxy color **72.7741, 0.2685, 0.2991** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.7968, 0.3674, 0.3570**, and the grayscale version is **69.7342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **38.5536, 0.2585, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **64.8070, 0.2531, 0.2866**, and if you desaturate by 10%, it is **81.6049, 0.2842, 0.3107**.

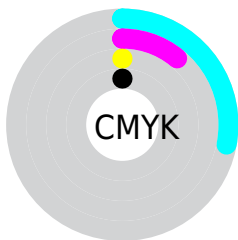
Distribution



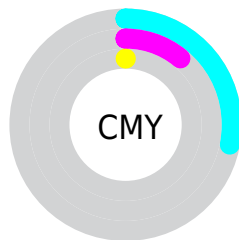
- Red (72%)
- Green (89%)
- Blue (100%)



- Red (72%)
- Yellow (83%)
- Blue (100%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7741, 0.2685, 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 72.7741, 0.2685, 0.2991 by changing the saturation by 10% instead.

■ 72.7741, 0.2685,
0.2991

■ 72.7741, 0.2685,
0.2991

470.2315, 0.2886,
0.3131

■ 53.7913, 0.2640,
0.2959

■ 123.1565, 0.2754,
0.3040

■ 38.4348, 0.2585,
0.2919

155.3248, 0.2781,
0.3059

■ 26.3203, 0.2515,
0.2868

192.6571, 0.2805,
0.3075

■ 17.0634, 0.2426,
0.2802

235.5377, 0.2825,
0.3089

■ 10.2797, 0.2308,
0.2712

284.3510, 0.2843,
0.3101

■ 5.5848, 0.2142,
0.2583

339.4815, 0.2859,

■ 2.5943, 0.1898,

0.3112

0.2384

401.3136, 0.2874,
0.3122

0.9238, 0.1489,
0.2051

0.0000, 0.0000,
0.0000

72.7741, 0.2685,
0.2991

72.7741, 0.2685,
0.2991

64.8070, 0.2531,
0.2866

81.6049, 0.2842,
0.3107

57.6597, 0.2385,
0.2732

91.3236, 0.3000,
0.3212

51.2967, 0.2250,
0.2591

99.9998, 0.3127,
0.3290

45.6760, 0.2131,
0.2445

■ 40.7500, 0.2030,
0.2298

■ 36.4635, 0.1952,
0.2152

■ 32.7422, 0.1894,
0.2010

■ 32.1202, 0.1885,
0.1985

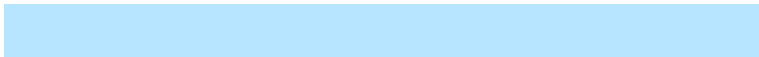
Harmonies

Analogous

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



72.7741, 0.2697, 0.3168



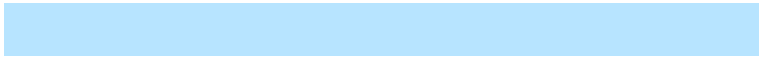
72.7741, 0.2685, 0.2991



72.7741, 0.2786, 0.2901

Triad

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



72.7741, 0.2685, 0.2991



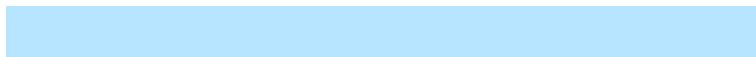
72.7741, 0.3440, 0.3183



72.7741, 0.3263, 0.3703

Complementary

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



72.7741, 0.2685, 0.2991



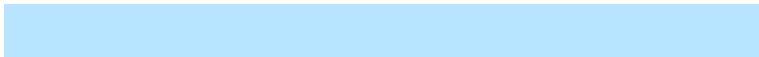
70.7968, 0.3674, 0.3570

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.



72.7741, 0.3471, 0.3690



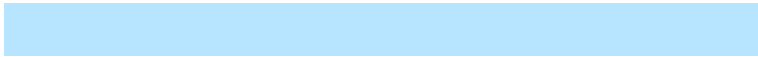
72.7741, 0.2685, 0.2991



72.7741, 0.3578, 0.3384

Square

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



72.7741, 0.2685, 0.2991



72.7741, 0.3219, 0.3014



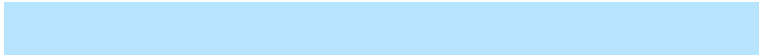
72.7741, 0.3588, 0.3570



72.7741, 0.3024, 0.3592

Rectangle

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



72.7741, 0.2685, 0.2991



72.7741, 0.2907, 0.2897



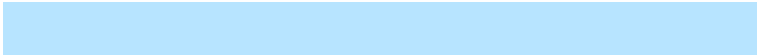
72.7741, 0.3588, 0.3570



72.7741, 0.3339, 0.3712

Sweetspot

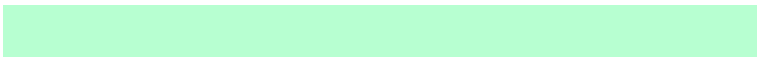
The Sweet Spot groups the original color and five complimentary colors.



72.7770, 0.2685, 0.2991



91.5465, 0.3003, 0.3214



86.2155, 0.2948, 0.3802



19.2687, 0.2979, 0.3199



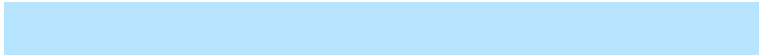
0.0000, 0.0000, 0.0000



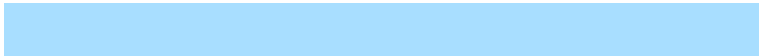
21.4041, 0.3127, 0.3290

Same Dimension

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



72.7770, 0.2685, 0.2991



68.0669, 0.2595, 0.2920



55.2735, 0.2642, 0.2581



19.2687, 0.2979, 0.3199



17.0804, 0.1891, 0.2008



1.8732, 0.1936, 0.2170

Inverse Universe

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



60.7466, 0.3369, 0.2835



54.6750, 0.3434, 0.2739



90.2293, 0.3579, 0.3911



18.1780, 0.3196, 0.3143



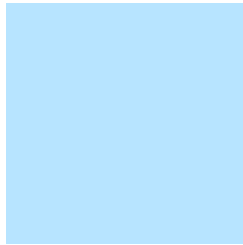
12.4522, 0.4443, 0.2221



1.2336, 0.4264, 0.2123

Previews

White Background



This preview shows how the Yxy color 72.7741, 0.2685, 0.2991 looks on a white background.

Color Contrast Check

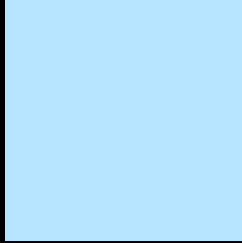
Large Text (above 18pt) WCAG AA × Fail

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 72.7741, 0.2685, 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

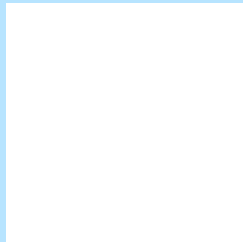
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7741, 0.2685, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 72.7741, 0.2685, 0.2991.

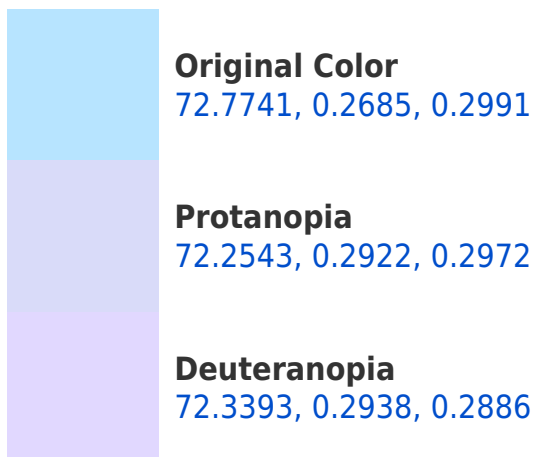


This preview shows how white text looks on a background with the Yxy color 72.7741, 0.2685, 0.2991.

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





Tritanopia

72.6397, 0.2711, 0.3076

Trichromacy



Original Color

72.7741, 0.2685, 0.2991

Protanomaly

72.1867, 0.2834, 0.2977

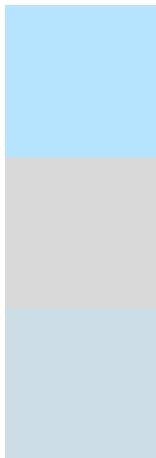
Deuteranomaly

72.1080, 0.2841, 0.2918

Tritanomaly

72.9487, 0.2701, 0.3045

Monochromacy



Original Color

72.7741, 0.2685, 0.2991

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.9912, 0.2953, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7741, 0.2685, 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(183, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 228, 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(183, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.7741, 0.2685, 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(183, 228, 255) }
```

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

```
.border{ border-color:rgb(183, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7741, 0.2685, 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(183, 228, 255) }
```

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

```
.background{ background-color: rgb(183,  
228, 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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