

Converting Colors

$Yxy(72.2668, 0.2668, 0.2986)$

Have a look what the booklet for
Yxy(72.2668, 0.2668, 0.2986)
contains.

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Color

Yxy(72.4101, 0.2668, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	B4E4FF
RGB	180, 228, 255
RGB Percent	71%, 89%, 100%
CMY	0.2941, 0.1059, 0.0001
CMYK	0.29, 0.11, 0.00, 0.00
HSL	202°, 100%, 85%
HSV	202°, 29%, 100%
XYZ	64.6121, 72.4101, 105.1521
YIQ	216.7260, -37.2750, -1.7790

Conversions

Conversions Part 2

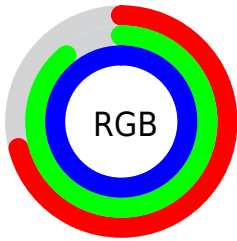
Format	Color
RYB	180, 209, 255
Decimal	11855103
CIELab	88.17, -9.35, -18.09
CIELCh	88, 20.367, 242.667
Yxy	72.4101, 0.2668, 0.2990
Android (android.graphics.Color)	4290045183 (0xFFB4E4FF)
YUV	216.7260, 18.8691, -32.2087
Hunter-Lab	85.0941, -13.3794, -13.6996

Details

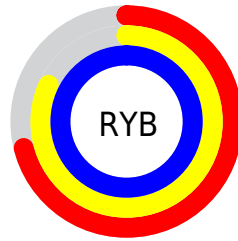
The Yxy color **72.4101, 0.2668, 0.2990** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.1598, 0.3706, 0.3571**, and the grayscale version is **69.0797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **38.3243, 0.2565, 0.2926** is the 20% darker color. If you saturate the color by 10%, you get **64.7162, 0.2516, 0.2869**, and if you desaturate by 10%, it is **80.9403, 0.2824, 0.3102**.

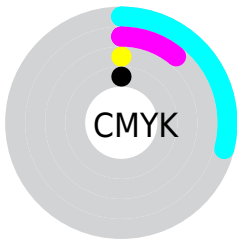
Distribution



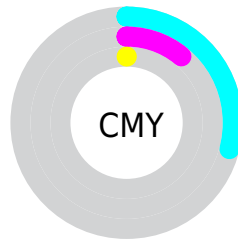
- Red (71%)
- Green (89%)
- Blue (100%)



- Red (71%)
- Yellow (82%)
- Blue (100%)



- Cyan (29%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4101, 0.2668, 0.2990 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 72.4101, 0.2668, 0.2990 by changing the saturation by 10% instead.

72.4101, 0.2668,
0.2990

72.4101, 0.2668,
0.2990

468.9678, 0.2877,
0.3131

53.4937, 0.2621,
0.2958

122.6394, 0.2740,
0.3039

38.1971, 0.2564,
0.2917

154.7212, 0.2768,
0.3058

26.1357, 0.2492,
0.2866

191.9601, 0.2792,
0.3075

16.9252, 0.2400,
0.2799

234.7408, 0.2814,
0.3089

10.1812, 0.2277,
0.2708

283.4475, 0.2832,
0.3101

5.5192, 0.2105,
0.2577

338.4646, 0.2849,

2.5550, 0.1853,

0.3112

0.2374

400.1766, 0.2864,
0.3122

0.9041, 0.1421,
0.2037

0.0000, 0.0000,
0.0000

72.4101, 0.2668,
0.2990

72.4101, 0.2668,
0.2990

64.7162, 0.2516,
0.2869

80.9403, 0.2824,
0.3102

57.8148, 0.2373,
0.2740

90.3306, 0.2981,
0.3203

51.6709, 0.2242,
0.2605

99.9980, 0.3127,
0.3290

46.2424, 0.2127,
0.2466

■ 41.4816, 0.2032,
0.2325

■ 37.3327, 0.1958,
0.2186

■ 33.7125, 0.1904,
0.2050

■ 33.5067, 0.1901,
0.2042

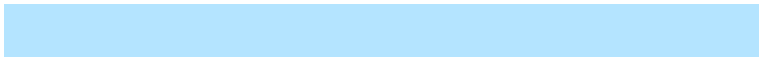
Harmonies

Analogous

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



72.4101, 0.2687, 0.3178



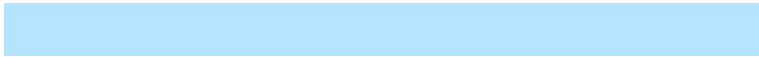
72.4101, 0.2668, 0.2990



72.4101, 0.2765, 0.2891

Triad

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



72.4101, 0.2668, 0.2990



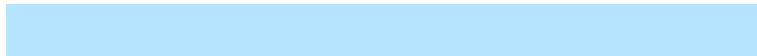
72.4101, 0.3438, 0.3167



72.4101, 0.3282, 0.3720

Complementary

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



72.4101, 0.2668, 0.2990



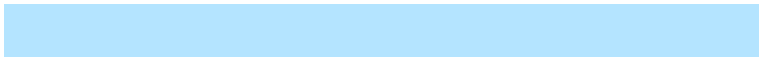
69.1598, 0.3706, 0.3571

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.



72.4101, 0.3493, 0.3699



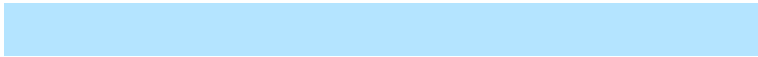
72.4101, 0.2668, 0.2990



72.4101, 0.3588, 0.3373

Square

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



72.4101, 0.2668, 0.2990



72.4101, 0.3206, 0.2996



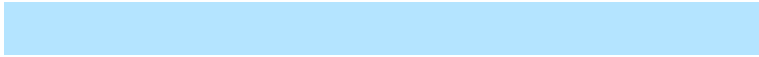
72.4101, 0.3607, 0.3568



72.4101, 0.3036, 0.3613

Rectangle

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



72.4101, 0.2668, 0.2990



72.4101, 0.2886, 0.2883



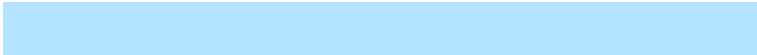
72.4101, 0.3607, 0.3568



72.4101, 0.3360, 0.3727

Sweetspot

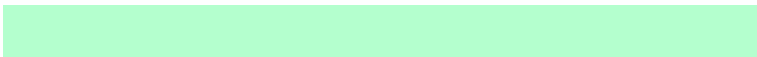
The Sweet Spot groups the original color and five complimentary colors.



72.4130, 0.2668, 0.2990



90.7502, 0.2987, 0.3207



85.6727, 0.2948, 0.3841



19.1189, 0.2965, 0.3193



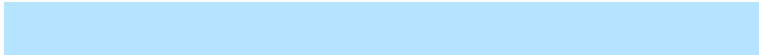
0.0000, 0.0000, 0.0000



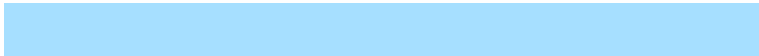
21.4041, 0.3127, 0.3290

Same Dimension

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



72.4130, 0.2668, 0.2990



68.0217, 0.2582, 0.2923



54.2929, 0.2621, 0.2561



19.3179, 0.2980, 0.3202



17.8058, 0.1907, 0.2064



1.9409, 0.1950, 0.2220

Inverse Universe

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



59.5009, 0.3373, 0.2804



53.7639, 0.3434, 0.2709



89.0858, 0.3602, 0.3926



18.1830, 0.3193, 0.3139



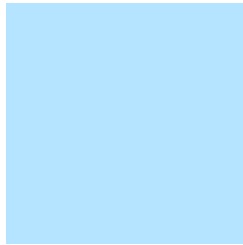
12.5255, 0.4381, 0.2187



1.2405, 0.4211, 0.2094

Previews

White Background



This preview shows how the Yxy color 72.4101, 0.2668, 0.2990 looks on a white background.

Color Contrast Check

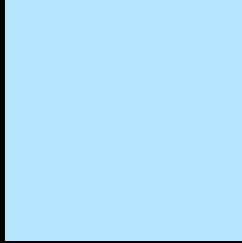
Large Text (above 18pt) WCAG AA × Fail

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 72.4101, 0.2668, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

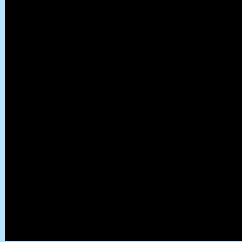
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

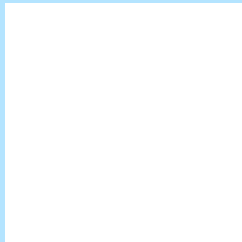
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4101, 0.2668, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 72.4101, 0.2668, 0.2990.



This preview shows how white text looks on a background with the Yxy color 72.4101, 0.2668, 0.2990.

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

72.4101, 0.2668, 0.2990

Protanopia

72.1015, 0.2916, 0.2971

Deuteranopia

72.1790, 0.2932, 0.2885



Tritanopia

72.2809, 0.2694, 0.3075

Trichromacy



Original Color

72.4101, 0.2668, 0.2990

Protanomaly

71.9041, 0.2821, 0.2976

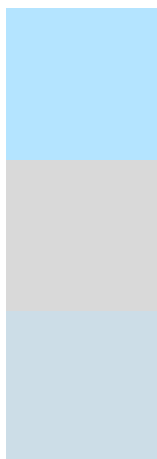
Deuteranomaly

71.8163, 0.2828, 0.2916

Tritanomaly

72.5874, 0.2684, 0.3043

Monochromacy



Original Color

72.4101, 0.2668, 0.2990

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.3198, 0.2946, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4101, 0.2668, 0.2990 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(180, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.4101, 0.2668, 0.2990 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(180, 228, 255) }
```

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

```
.border{ border-color:rgb(180, 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(180, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4101, 0.2668, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 255) }
```

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

```
.background{ background-color: rgb(180,  
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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