

Converting Colors

$Yxy(72.8457, 0.2667, 0.2999)$

Have a look what the booklet for
Yxy(72.8457, 0.2667, 0.2999)
contains.

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Color

Yxy(72.9619, 0.2669, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	B4E5FF
RGB	180, 229, 255
RGB Percent	71%, 90%, 100%
CMY	0.2941, 0.1019, 0.0000
CMYK	0.29, 0.10, 0.00, 0.00
HSL	201°, 100%, 85%
HSV	201°, 29%, 100%
XYZ	64.8901, 72.9619, 105.2733
YIQ	217.3130, -37.5500, -2.3020

Conversions

Conversions Part 2

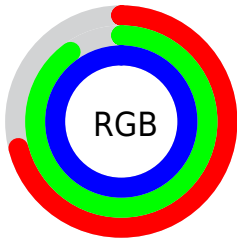
Format	Color
R _Y B	180, 210, 255
Decimal	11855359
CIE Lab	88.43, -9.86, -17.71
CIE LCh	88, 20.273, 240.900
Yxy	72.9619, 0.2669, 0.3001
Android (android.graphics.Color)	4290045439 (0xFFB4E5FF)
YUV	217.3130, 18.5797, -32.7235
Hunter-Lab	85.4177, -13.8782, -13.2797

Details

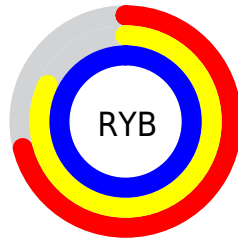
The Yxy color **72.9619, 0.2669, 0.3001** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.6908, 0.3709, 0.3561**, and the grayscale version is **69.5036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **38.7093, 0.2567, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **65.4138, 0.2519, 0.2885**, and if you desaturate by 10%, it is **81.3271, 0.2824, 0.3108**.

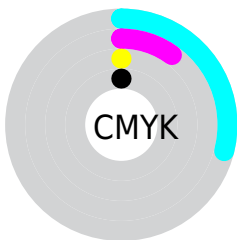
Distribution



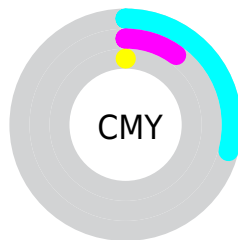
- Red (71%)
- Green (90%)
- Blue (100%)



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



- Cyan (29%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9619, 0.2669, 0.3001 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 72.9619, 0.2669, 0.3001 by changing the saturation by 10% instead.

■ 72.9619, 0.2669,
0.3001

■ 72.9619, 0.2669,
0.3001

470.8828, 0.2877,
0.3137

■ 53.9448, 0.2622,
0.2970

■ 123.4231, 0.2741,
0.3048

■ 38.5575, 0.2565,
0.2931

155.6360, 0.2769,
0.3067

■ 26.4157, 0.2494,
0.2882

193.0164, 0.2793,
0.3082

■ 17.1349, 0.2402,
0.2817

235.9485, 0.2814,
0.3096

■ 10.3307, 0.2280,
0.2729

284.8168, 0.2833,
0.3108

■ 5.6188, 0.2110,
0.2602

340.0057, 0.2849,

■ 2.6147, 0.1860,

0.3119

0.2406

401.8995, 0.2864,
0.3128

0.9341, 0.1438,
0.2078

0.0000, 0.0000,
0.0000

72.9619, 0.2669,
0.3001

72.9619, 0.2669,
0.3001

65.4138, 0.2519,
0.2885

81.3271, 0.2824,
0.3108

58.6405, 0.2377,
0.2761

90.5337, 0.2981,
0.3206

52.6068, 0.2248,
0.2631

100.0000, 0.3127,
0.3290

47.2712, 0.2135,
0.2497

■ 42.5866, 0.2041,
0.2362

■ 38.4976, 0.1969,
0.2228

■ 34.9213, 0.1917,
0.2097

■ 34.7224, 0.1914,
0.2090

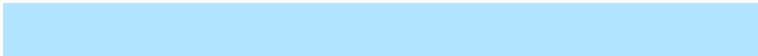
Harmonies

Analogous

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



72.9619, 0.2695, 0.3192



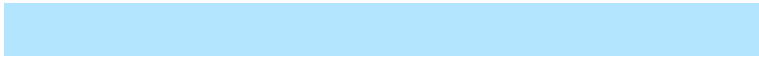
72.9619, 0.2669, 0.3001



72.9619, 0.2759, 0.2897

Triad

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



72.9619, 0.2669, 0.3001



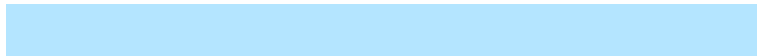
72.9619, 0.3424, 0.3157



72.9619, 0.3295, 0.3719

Complementary

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



72.9619, 0.2669, 0.3001



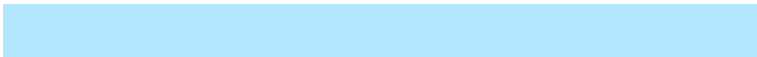
68.6908, 0.3709, 0.3561

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.



72.9619, 0.3501, 0.3691



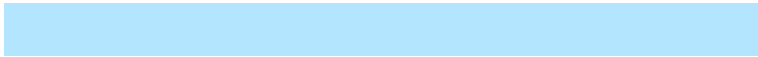
72.9619, 0.2669, 0.3001



72.9619, 0.3579, 0.3361

Square

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



72.9619, 0.2669, 0.3001



72.9619, 0.3190, 0.2990



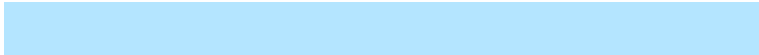
72.9619, 0.3607, 0.3556



72.9619, 0.3051, 0.3620

Rectangle

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



72.9619, 0.2669, 0.3001



72.9619, 0.2876, 0.2884



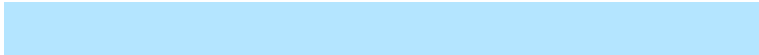
72.9619, 0.3607, 0.3556



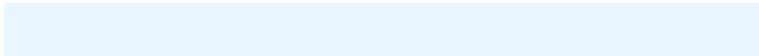
72.9619, 0.3371, 0.3724

Sweetspot

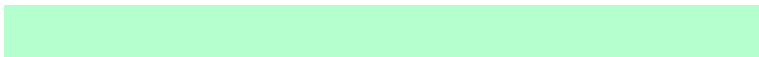
The Sweet Spot groups the original color and five complimentary colors.



72.9645, 0.2669, 0.3001



90.9343, 0.2987, 0.3210



85.6299, 0.2954, 0.3856



19.1644, 0.2965, 0.3197



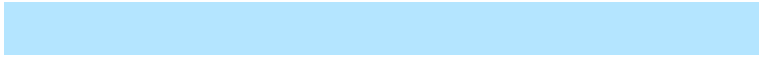
0.0000, 0.0000, 0.0000



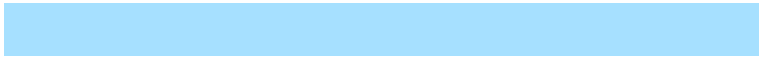
21.4041, 0.3127, 0.3290

Same Dimension

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



72.9645, 0.2669, 0.3001



68.6494, 0.2584, 0.2937



54.8387, 0.2622, 0.2576



19.3594, 0.2980, 0.3206



18.4330, 0.1920, 0.2111



1.9991, 0.1962, 0.2261

Inverse Universe

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



59.5569, 0.3365, 0.2795



53.8273, 0.3424, 0.2698



88.3565, 0.3606, 0.3915



18.1871, 0.3191, 0.3136



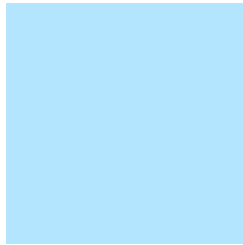
12.5888, 0.4329, 0.2158



1.2464, 0.4167, 0.2069

Previews

White Background



This preview shows how the Yxy color 72.9619, 0.2669, 0.3001 looks on a white background.

Color Contrast Check

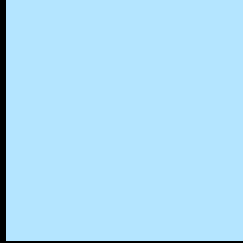
Large Text (above 18pt) WCAG AA × Fail

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 72.9619, 0.2669, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

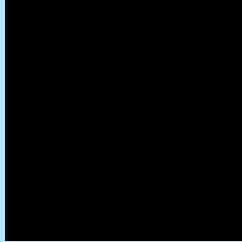
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

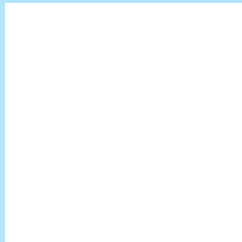
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9619, 0.2669, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 72.9619, 0.2669, 0.3001.



This preview shows how white text looks on a background with the Yxy color 72.9619, 0.2669, 0.3001.

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

72.9619, 0.2669, 0.3001

Protanopia

72.7777, 0.2922, 0.2983

Deuteranopia

72.3393, 0.2938, 0.2886



Tritanopia

72.9546, 0.2701, 0.3087

Trichromacy



Original Color

72.9619, 0.2669, 0.3001

Protanomaly

72.5778, 0.2828, 0.2988

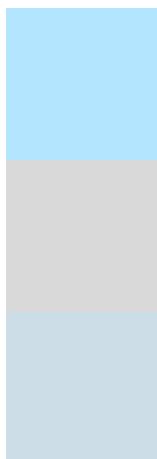
Deuteranomaly

72.4882, 0.2835, 0.2928

Tritanomaly

73.1424, 0.2685, 0.3055

Monochromacy



Original Color

72.9619, 0.2669, 0.3001

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 72.9619, 0.2669, 0.3001 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.9619, 0.2669, 0.3001 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, 229, 255) }
```

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

```
.border{ border-color:rgb(180, 229, 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, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9619, 0.2669, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 229, 255) }
```

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

```
.background{ background-color: rgb(180,  
229, 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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