

Converting Colors

$Yxy(74.1216, 0.2513, 0.2708)$

Have a look what the booklet for
Yxy(74.1216, 0.2513, 0.2708)
contains.

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Color

Yxy(72.0539, 0.2651, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	B1E4FF
RGB	177, 228, 255
RGB Percent	69%, 89%, 100%
CMY	0.3059, 0.1059, 0.0000
CMYK	0.31, 0.11, 0.00, 0.00
HSL	201°, 100%, 85%
HSV	201°, 31%, 100%
XYZ	63.9273, 72.0539, 105.1630
YIQ	215.8290, -39.0630, -2.4150

Conversions

Conversions Part 2

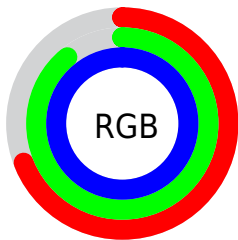
Format	Color
RYB	177, 208, 255
Decimal	11658495
CIELab	87.99, -10.17, -18.39
CIELCh	88, 21.021, 241.056
Yxy	72.0539, 0.2651, 0.2988
Android (android.graphics.Color)	4289848575 (0xFFB1E4FF)
YUV	215.8290, 19.3113, -34.0530
Hunter-Lab	84.8846, -14.1180, -14.0348

Details

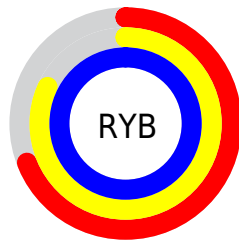
The Yxy color **72.0539, 0.2651, 0.2988** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.6207, 0.3738, 0.3572**, and the grayscale version is **68.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **38.1019, 0.2545, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **64.6022, 0.2502, 0.2871**, and if you desaturate by 10%, it is **80.3160, 0.2806, 0.3097**.

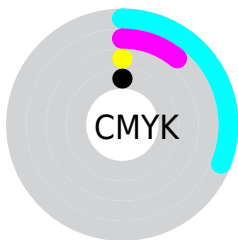
Distribution



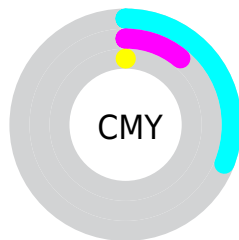
- Red (69%)
- Green (89%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0539, 0.2651, 0.2988 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 72.0539, 0.2651, 0.2988 by changing the saturation by 10% instead.


 72.0539, 0.2651,
0.2988

 72.0539, 0.2651,
0.2988


467.7292, 0.2868,
0.3130

 53.2027, 0.2602,
0.2955


 122.1332, 0.2725,
0.3038

 37.9646, 0.2543,
0.2914


154.1300, 0.2755,
0.3057

 25.9552, 0.2469,
0.2863

191.2775, 0.2780,
0.3073

 16.7901, 0.2373,
0.2795

233.9602, 0.2802,
0.3088

 10.0850, 0.2246,
0.2702

282.5622, 0.2821,
0.3100

 5.4553, 0.2069,
0.2568

337.4682, 0.2839,

 2.5168, 0.1808,

0.3111

0.2361

399.0623, 0.2854,
0.3121

0.8850, 0.1353,
0.2019

0.0000, 0.0000,
0.0000

72.0539, 0.2651,
0.2988

72.0539, 0.2651,
0.2988

64.6022, 0.2502,
0.2871

80.3160, 0.2806,
0.3097

57.9215, 0.2361,
0.2747

89.4165, 0.2963,
0.3196

51.9753, 0.2234,
0.2616

99.3870, 0.3118,
0.3285

46.7214, 0.2123,
0.2483

100.0000, 0.3127,
0.3290

■ 42.1121, 0.2032,
0.2348

■ 38.0907, 0.1963,
0.2214

■ 34.7600, 0.1914,
0.2091

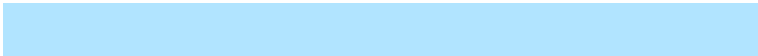
Harmonies

Analogous

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



72.0539, 0.2677, 0.3186



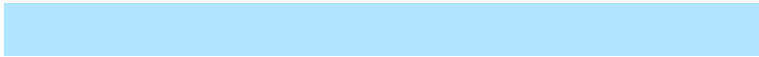
72.0539, 0.2651, 0.2988



72.0539, 0.2745, 0.2881

Triad

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



72.0539, 0.2651, 0.2988



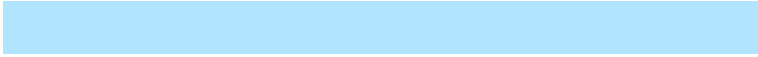
72.0539, 0.3438, 0.3152



72.0539, 0.3301, 0.3737

Complementary

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



72.0539, 0.2651, 0.2988



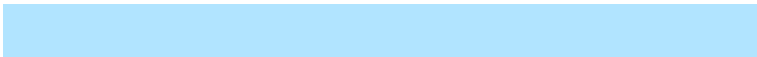
67.6207, 0.3738, 0.3572

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.



72.0539, 0.3515, 0.3708



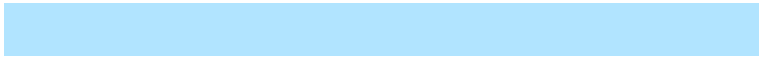
72.0539, 0.2651, 0.2988



72.0539, 0.3598, 0.3364

Square

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



72.0539, 0.2651, 0.2988



72.0539, 0.3194, 0.2979



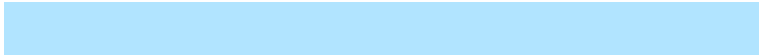
72.0539, 0.3626, 0.3567



72.0539, 0.3046, 0.3634

Rectangle

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



72.0539, 0.2651, 0.2988



72.0539, 0.2867, 0.2869



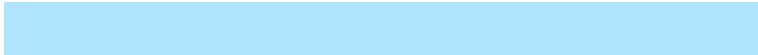
72.0539, 0.3626, 0.3567



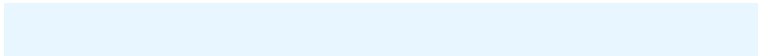
72.0539, 0.3380, 0.3742

Sweetspot

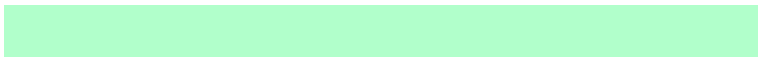
The Sweet Spot groups the original color and five complimentary colors.



72.0554, 0.2651, 0.2988



90.9400, 0.2987, 0.3210



85.1794, 0.2948, 0.3883



19.1658, 0.2965, 0.3197



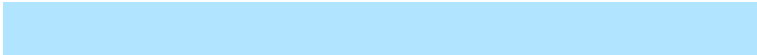
0.0000, 0.0000, 0.0000



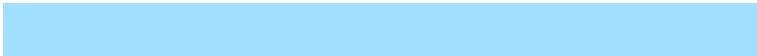
21.4041, 0.3127, 0.3290

Same Dimension

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



72.0554, 0.2651, 0.2988



67.1849, 0.2554, 0.2914



53.3955, 0.2599, 0.2542



19.3607, 0.2980, 0.3206



18.4526, 0.1920, 0.2113



2.0009, 0.1962, 0.2262

Inverse Universe

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



58.3070, 0.3376, 0.2774



51.9198, 0.3446, 0.2664



87.9390, 0.3626, 0.3940



18.1873, 0.3191, 0.3136



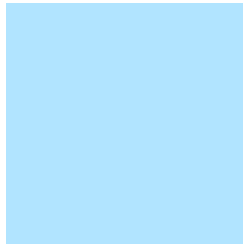
12.5908, 0.4327, 0.2157



1.2465, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 72.0539, 0.2651, 0.2988 looks on a white background.

Color Contrast Check

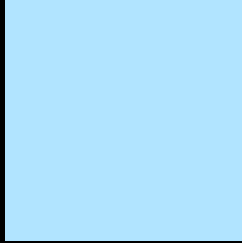
Large Text (above 18pt) WCAG AA × Fail

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 72.0539, 0.2651, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

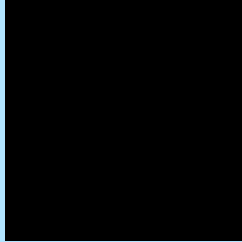
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.0539, 0.2651, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 72.0539, 0.2651, 0.2988.



This preview shows how white text looks on a background with the Yxy color 72.0539, 0.2651, 0.2988.

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

72.0539, 0.2651, 0.2988

Protanopia

71.4294, 0.2909, 0.2960

Deuteranopia

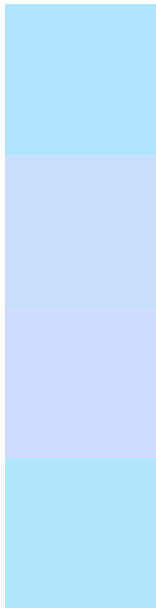
71.5089, 0.2925, 0.2873



Tritanopia

71.9299, 0.2677, 0.3074

Trichromacy



Original Color

72.0539, 0.2651, 0.2988

Protanomaly

71.6251, 0.2808, 0.2975

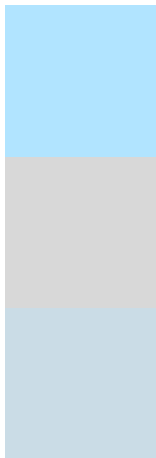
Deuteranomaly

71.5282, 0.2816, 0.2915

Tritanomaly

72.2338, 0.2667, 0.3042

Monochromacy



Original Color

72.0539, 0.2651, 0.2988

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.4561, 0.2939, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0539, 0.2651, 0.2988 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(177, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.0539, 0.2651, 0.2988 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(177, 228, 255) }
```

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

```
.border{ border-color:rgb(177, 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(177, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0539, 0.2651, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 228, 255) }
```

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

```
.background{ background-color: rgb(177,  
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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