

Converting Colors

$Yxy(72.8870, 0.2703, 0.2987)$

Have a look what the booklet for
Yxy(72.8870, 0.2703, 0.2987)
contains.

Yxy(72.5973, 0.2701, 0.2981)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.5973, 0.2701, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	BAE3FF
RGB	186, 227, 255
RGB Percent	73%, 89%, 100%
CMY	0.2704, 0.1098, 0.0000
CMYK	0.27, 0.11, 0.00, 0.00
HSL	204°, 100%, 86%
HSV	204°, 27%, 100%
XYZ	65.7784, 72.5973, 105.1577
YIQ	217.9330, -33.4240, 0.0160

Conversions

Conversions Part 2

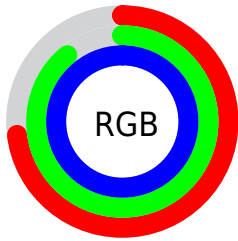
Format	Color
R_{YB}	186, 212, 255
Decimal	12248063
CIE _{Lab}	88.26, -7.11, -17.94
CIE _{LCh}	88, 19.299, 248.386
Yxy	72.5973, 0.2701, 0.2981
Android (android.graphics.Color)	4290438143 (0xFFBAE3FF)
YUV	217.9330, 18.2740, -28.0052
Hunter-Lab	85.2040, -11.3033, -13.5321

Details

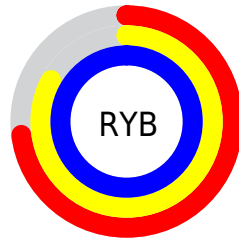
The Yxy color **72.5973, 0.2701, 0.2981** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.9310, 0.3640, 0.3579**, and the grayscale version is **69.9590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **38.4076, 0.2604, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **64.1879, 0.2544, 0.2846**, and if you desaturate by 10%, it is **81.9225, 0.2860, 0.3105**.

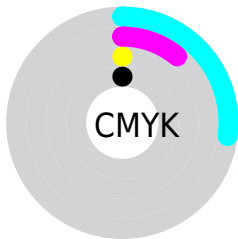
Distribution



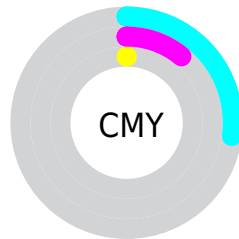
- Red (73%)
- Green (89%)
- Blue (100%)



- Red (73%)
- Yellow (83%)
- Blue (100%)



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5973, 0.2701, 0.2981 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 72.5973, 0.2701, 0.2981 by changing the saturation by 10% instead.

■ 72.5973, 0.2701,
0.2981

■ 72.5973, 0.2701,
0.2981

■ 469.6179, 0.2895,
0.3125

■ 53.6467, 0.2657,
0.2948

■ 122.9054, 0.2768,
0.3031

■ 38.3193, 0.2604,
0.2907

■ 155.0316, 0.2794,
0.3051

■ 26.2306, 0.2537,
0.2855

■ 192.3186, 0.2817,
0.3067

■ 16.9962, 0.2451,
0.2788

■ 235.1507, 0.2836,
0.3082

■ 10.2318, 0.2336,
0.2696

■ 283.9123, 0.2854,
0.3095

■ 5.5529, 0.2175,
0.2564

■ 338.9878, 0.2869,

■ 2.5752, 0.1937,

0.3106

0.2362

400.7615, 0.2883,
0.3116

0.9142, 0.1540,
0.2025

0.0000, 0.0000,
0.0000

72.5973, 0.2701,
0.2981

72.5973, 0.2701,
0.2981

64.1879, 0.2544,
0.2846

81.9225, 0.2860,
0.3105

56.6507, 0.2393,
0.2701

92.1899, 0.3018,
0.3218

49.9488, 0.2252,
0.2548

100.0000, 0.3127,
0.3290

44.0393, 0.2126,
0.2390

■ 38.8741, 0.2019,
0.2230

■ 34.3973, 0.1933,
0.2071

■ 30.5397, 0.1870,
0.1918

■ 29.4870, 0.1854,
0.1873

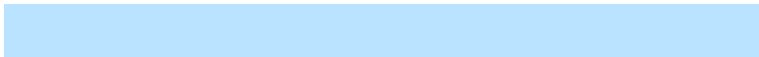
Harmonies

Analogous

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



72.5973, 0.2698, 0.3146



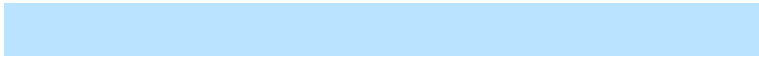
72.5973, 0.2701, 0.2981



72.5973, 0.2813, 0.2905

Triad

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



72.5973, 0.2701, 0.2981



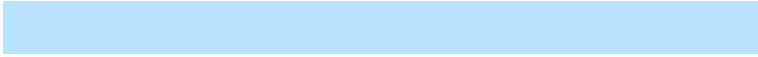
72.5973, 0.3457, 0.3210



72.5973, 0.3231, 0.3686

Complementary

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



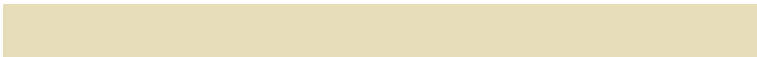
72.5973, 0.2701, 0.2981



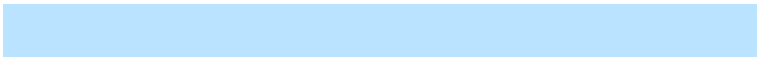
72.9310, 0.3640, 0.3579

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.



72.5973, 0.3442, 0.3690



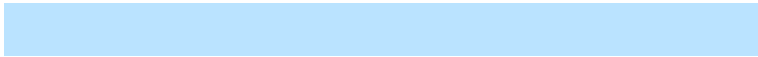
72.5973, 0.2701, 0.2981



72.5973, 0.3577, 0.3407

Square

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



72.5973, 0.2701, 0.2981



72.5973, 0.3247, 0.3038



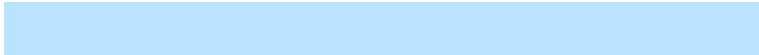
72.5973, 0.3570, 0.3584



72.5973, 0.2998, 0.3564

Rectangle

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



72.5973, 0.2701, 0.2981



72.5973, 0.2938, 0.2909



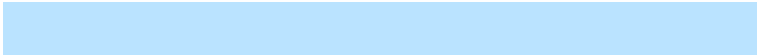
72.5973, 0.3570, 0.3584



72.5973, 0.3307, 0.3701

Sweetspot

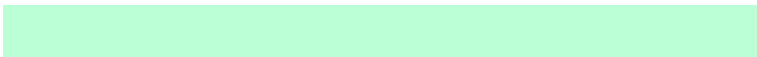
The Sweet Spot groups the original color and five complimentary colors.



72.5998, 0.2701, 0.2981



91.1604, 0.3003, 0.3207



86.8019, 0.2943, 0.3750



19.1713, 0.2979, 0.3191



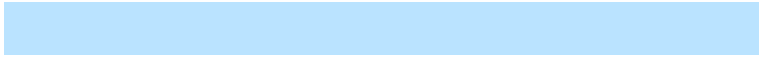
0.0000, 0.0000, 0.0000



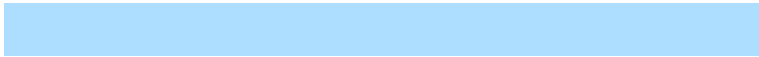
21.4041, 0.3127, 0.3290

Same Dimension

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



72.5998, 0.2701, 0.2981



68.3143, 0.2623, 0.2915



55.7824, 0.2662, 0.2588



19.1713, 0.2979, 0.3191



15.7085, 0.1861, 0.1898



1.7442, 0.1909, 0.2072

Inverse Universe

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



61.9457, 0.3374, 0.2876



56.5668, 0.3433, 0.2797



92.0070, 0.3554, 0.3906



18.1681, 0.3201, 0.3150



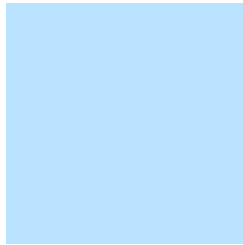
12.3137, 0.4570, 0.2291



1.2206, 0.4372, 0.2182

Previews

White Background



This preview shows how the Yxy color 72.5973, 0.2701, 0.2981 looks on a white background.

Color Contrast Check

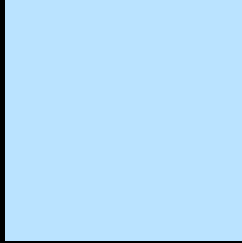
Large Text (above 18pt) WCAG AA × Fail

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 72.5973, 0.2701, 0.2981 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

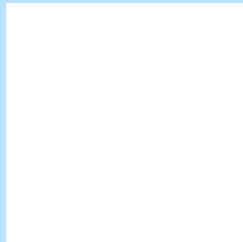
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.5973, 0.2701, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 72.5973, 0.2701, 0.2981.

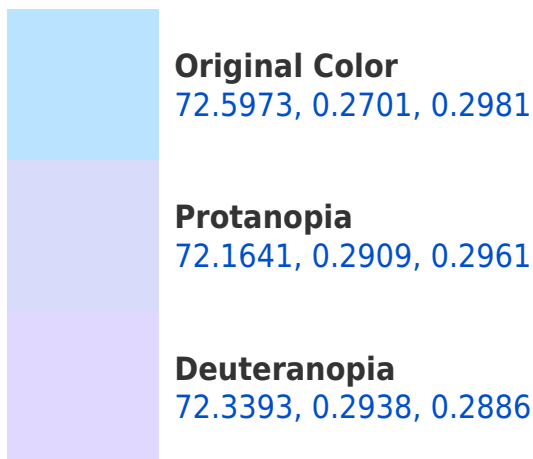


This preview shows how white text looks on a background with the Yxy color 72.5973, 0.2701, 0.2981.

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

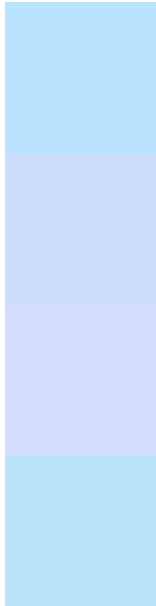




Tritanopia

72.3926, 0.2733, 0.3077

Trichromacy



Original Color

72.5973, 0.2701, 0.2981

Protanomaly

72.2500, 0.2828, 0.2967

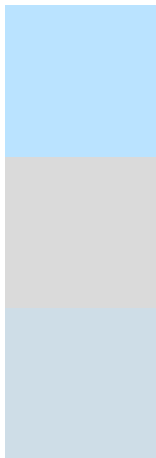
Deuteranomaly

72.2553, 0.2848, 0.2918

Tritanomaly

72.7032, 0.2723, 0.3045

Monochromacy



Original Color

72.5973, 0.2701, 0.2981

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.6042, 0.2960, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5973, 0.2701, 0.2981 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(186, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 227, 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(186, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.5973, 0.2701, 0.2981 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(186, 227, 255) }
```

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

```
.border{ border-color:rgb(186, 227, 255) }
```

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

Here you see how a box with a 4 pixel rgb(186, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5973, 0.2701, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 227, 255) }
```

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

```
.background{ background-color: rgb(186,  
227, 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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