

Converting Colors

$Yxy(72.5372, 0.2687, 0.2985)$

Have a look what the booklet for
Yxy(72.5372, 0.2687, 0.2985)
contains.

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Color

Yxy(72.3485, 0.2689, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	B8E3FF
RGB	184, 227, 255
RGB Percent	72%, 89%, 100%
CMY	0.2785, 0.1098, 0.0000
CMYK	0.28, 0.11, 0.00, 0.00
HSL	204°, 100%, 86%
HSV	204°, 28%, 100%
XYZ	65.2836, 72.3485, 105.1481
YIQ	217.3350, -34.6160, -0.4080

Conversions

Conversions Part 2

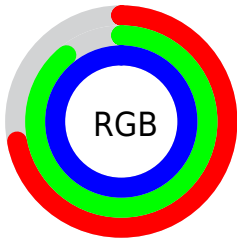
Format	Color
RYB	184, 211, 255
Decimal	12116991
CIELab	88.14, -7.71, -18.14
CIELCh	88, 19.711, 246.984
Yxy	72.3485, 0.2689, 0.2980
Android (android.graphics.Color)	4290307071 (0xFFB8E3FF)
YUV	217.3350, 18.5688, -29.2348
Hunter-Lab	85.0579, -11.8492, -13.7534

Details

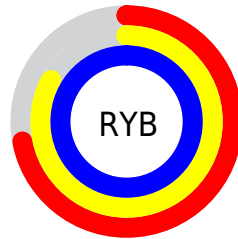
The Yxy color **72.3485, 0.2689, 0.2980** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.7894, 0.3661, 0.3580**, and the grayscale version is **69.5151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **38.2494, 0.2590, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **64.1419, 0.2533, 0.2849**, and if you desaturate by 10%, it is **81.4467, 0.2848, 0.3101**.

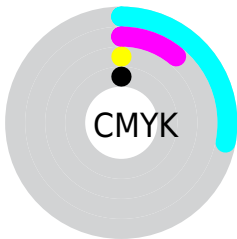
Distribution



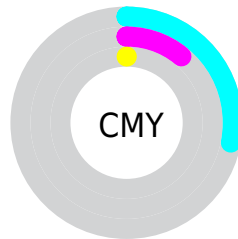
- Red (72%)
- Green (89%)
- Blue (100%)



- 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 72.3485, 0.2689, 0.2980 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 72.3485, 0.2689, 0.2980 by changing the saturation by 10% instead.


 72.3485, 0.2689,
0.2980

 72.3485, 0.2689,
0.2980


468.7537, 0.2889,
0.3125

 53.4434, 0.2644,
0.2947

 122.5519, 0.2758,
0.3030

 38.1569, 0.2589,
0.2906


154.6190, 0.2785,
0.3050

 26.1045, 0.2520,
0.2853


191.8421, 0.2808,
0.3067

 16.9018, 0.2432,
0.2785

234.6059, 0.2828,
0.3082

 10.1645, 0.2314,
0.2692

283.2945, 0.2846,
0.3094

 5.5082, 0.2149,
0.2559

338.2924, 0.2862,

 2.5484, 0.1905,

0.3106

0.2355

399.9840, 0.2876,
0.3116

0.9008, 0.1493,
0.2014

0.0000, 0.0000,
0.0000

72.3485, 0.2689,
0.2980

72.3485, 0.2689,
0.2980

64.1419, 0.2533,
0.2849

81.4467, 0.2848,
0.3101

56.7862, 0.2384,
0.2708

91.4653, 0.3005,
0.3211

50.2441, 0.2246,
0.2559

100.0000, 0.3127,
0.3290

44.4728, 0.2124,
0.2406

■ 39.4243, 0.2020,
0.2251

■ 35.0425, 0.1938,
0.2097

■ 31.2548, 0.1877,
0.1948

■ 30.4979, 0.1866,
0.1917

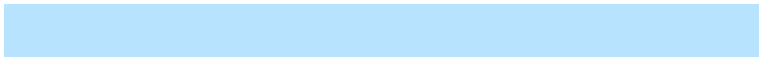
Harmonies

Analogous

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



72.3485, 0.2691, 0.3152



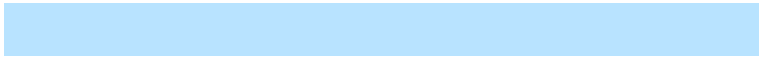
72.3485, 0.2689, 0.2980



72.3485, 0.2799, 0.2898

Triad

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



72.3485, 0.2689, 0.2980



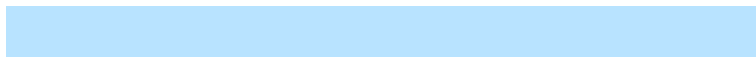
72.3485, 0.3456, 0.3199



72.3485, 0.3244, 0.3698

Complementary

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



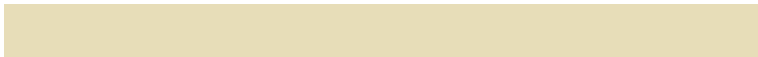
72.3485, 0.2689, 0.2980



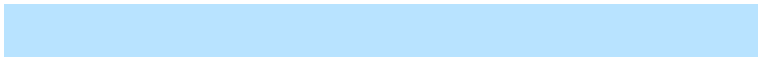
71.7894, 0.3661, 0.3580

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.



72.3485, 0.3457, 0.3696



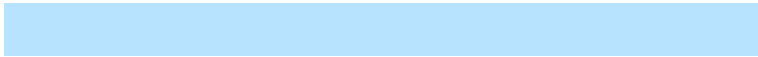
72.3485, 0.2689, 0.2980



72.3485, 0.3584, 0.3400

Square

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



72.3485, 0.2689, 0.2980



72.3485, 0.3238, 0.3025



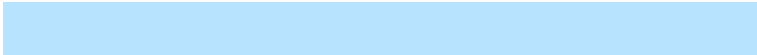
72.3485, 0.3584, 0.3583



72.3485, 0.3005, 0.3579

Rectangle

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



72.3485, 0.2689, 0.2980



72.3485, 0.2924, 0.2899



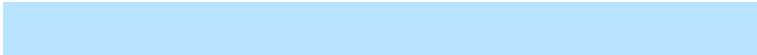
72.3485, 0.3584, 0.3583



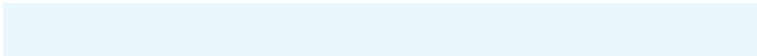
72.3485, 0.3321, 0.3712

Sweetspot

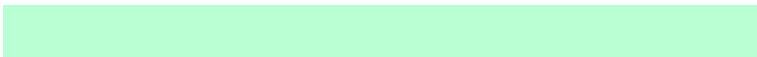
The Sweet Spot groups the original color and five complimentary colors.



72.3500, 0.2689, 0.2980



91.3114, 0.3003, 0.3210



86.4204, 0.2944, 0.3780



19.2093, 0.2979, 0.3194



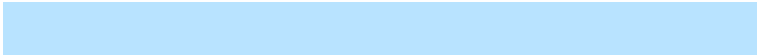
0.0000, 0.0000, 0.0000



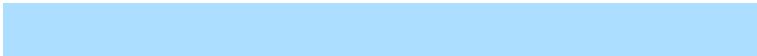
21.4041, 0.3127, 0.3290

Same Dimension

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



72.3500, 0.2689, 0.2980



68.0167, 0.2608, 0.2914



55.2210, 0.2648, 0.2578



19.2093, 0.2979, 0.3194



16.2353, 0.1873, 0.1941



1.7939, 0.1920, 0.2111

Inverse Universe

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



61.0768, 0.3376, 0.2854



55.5943, 0.3436, 0.2771



91.0661, 0.3570, 0.3914



18.1720, 0.3199, 0.3147



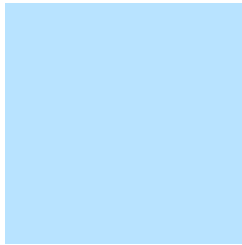
12.3669, 0.4520, 0.2264



1.2256, 0.4329, 0.2159

Previews

White Background



This preview shows how the Yxy color 72.3485, 0.2689, 0.2980 looks on a white background.

Color Contrast Check

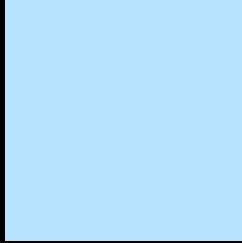
Large Text (above 18pt) WCAG AA × Fail

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 72.3485, 0.2689, 0.2980 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

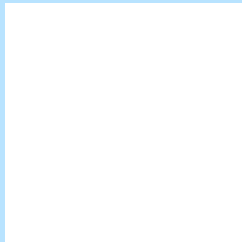
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3485, 0.2689, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 72.3485, 0.2689, 0.2980.

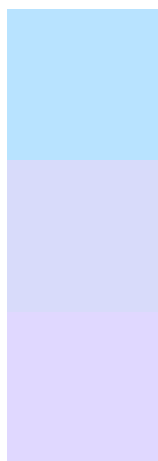


This preview shows how white text looks on a background with the Yxy color 72.3485, 0.2689, 0.2980.

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

72.3485, 0.2689, 0.2980

Protanopia

72.1641, 0.2909, 0.2961

Deuteranopia

72.1790, 0.2932, 0.2885



Tritanopia

72.1473, 0.2721, 0.3076

Trichromacy



Original Color

72.3485, 0.2689, 0.2980

Protanomaly

72.1082, 0.2822, 0.2966

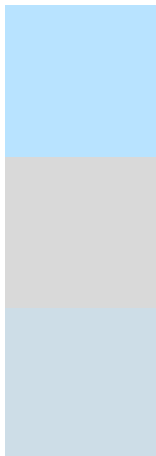
Deuteranomaly

71.9617, 0.2835, 0.2917

Tritanomaly

72.4562, 0.2711, 0.3044

Monochromacy



Original Color

72.3485, 0.2689, 0.2980

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.4616, 0.2953, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3485, 0.2689, 0.2980 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(184, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.3485, 0.2689, 0.2980 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(184, 227, 255) }
```

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

```
.border{ border-color:rgb(184, 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(184, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3485, 0.2689, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 227, 255) }
```

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

```
.background{ background-color: rgb(184,  
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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