

Converting Colors

$Yxy(72.4788, 0.2656, 0.2864)$

Have a look what the booklet for
Yxy(72.4788, 0.2656, 0.2864)
contains.

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Color

Yxy(71.6352, 0.2704, 0.2959)

Conversions

Conversions Part 1

Format	Color
Hex	BBE1FF
RGB	187, 225, 255
RGB Percent	73%, 88%, 100%
CMY	0.2668, 0.1176, 0.0000
CMYK	0.27, 0.12, 0.00, 0.00
HSL	206°, 100%, 87%
HSV	206°, 27%, 100%
XYZ	65.4618, 71.6352, 104.9956
YIQ	217.0580, -32.2780, 1.2740

Conversions

Conversions Part 2

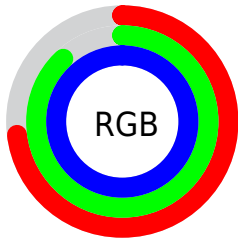
Format	Color
RYB	187, 211, 255
Decimal	12313087
CIELab	87.79, -5.83, -18.64
CIELCh	88, 19.527, 252.643
Yxy	71.6352, 0.2704, 0.2959
Android (android.graphics.Color)	4290503167 (0xFFBBE1FF)
YUV	217.0580, 18.7054, -26.3609
Hunter-Lab	84.6376, -10.0573, -14.3048

Details

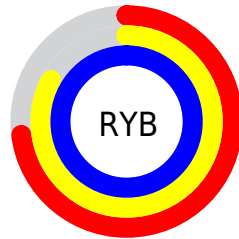
The Yxy color **71.6352, 0.2704, 0.2959** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.4419, 0.3626, 0.3599**, and the grayscale version is **69.3115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **37.7322, 0.2607, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **62.8245, 0.2544, 0.2812**, and if you desaturate by 10%, it is **81.4207, 0.2865, 0.3094**.

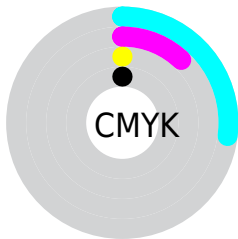
Distribution



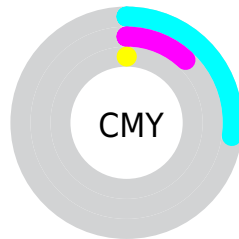
- Red (73%)
- Green (88%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6352, 0.2704, 0.2959 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 71.6352, 0.2704, 0.2959 by changing the saturation by 10% instead.

■ 71.6352, 0.2704,
0.2959

■ 71.6352, 0.2704,
0.2959

466.2709, 0.2898,
0.3113

■ 52.8607, 0.2660,
0.2924

■ 121.5377, 0.2771,
0.3013

■ 37.6916, 0.2607,
0.2880

153.4346, 0.2797,
0.3033

■ 25.7434, 0.2540,
0.2825

190.4744, 0.2819,
0.3051

■ 16.6318, 0.2454,
0.2753

233.0415, 0.2839,
0.3067

■ 9.9723, 0.2338,
0.2655

281.5203, 0.2856,
0.3081

■ 5.3806, 0.2176,
0.2515

336.2952, 0.2872,

■ 2.4723, 0.1936,

0.3093

0.2302

397.7506, 0.2885,
0.3104

0.8627, 0.1530,
0.1947

0.0000, 0.0000,
0.0000

71.6352, 0.2704,
0.2959

71.6352, 0.2704,
0.2959

62.8245, 0.2544,
0.2812

81.4207, 0.2865,
0.3094

54.9449, 0.2389,
0.2654

92.2105, 0.3024,
0.3216

47.9574, 0.2243,
0.2488

100.0000, 0.3127,
0.3290

41.8174, 0.2111,
0.2315

■ 36.4750, 0.1998,
0.2141

■ 31.8729, 0.1907,
0.1969

■ 27.9407, 0.1839,
0.1803

■ 26.7523, 0.1820,
0.1750

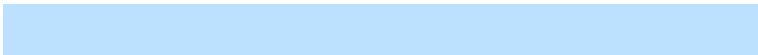
Harmonies

Analogous

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



71.6352, 0.2684, 0.3115



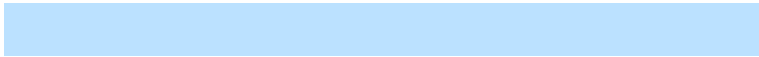
71.6352, 0.2704, 0.2959



71.6352, 0.2832, 0.2896

Triad

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



71.6352, 0.2704, 0.2959



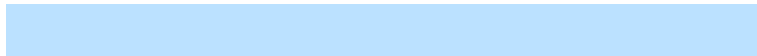
71.6352, 0.3486, 0.3236



71.6352, 0.3198, 0.3682

Complementary

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



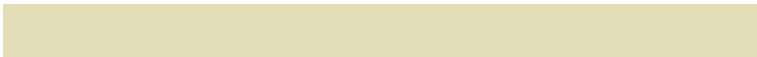
71.6352, 0.2704, 0.2959



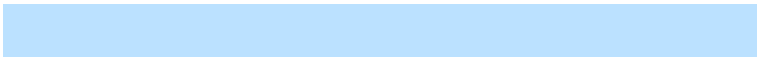
74.4419, 0.3626, 0.3599

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.



71.6352, 0.3420, 0.3703



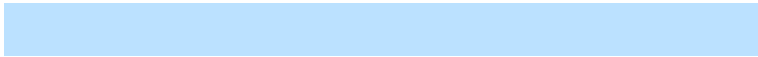
71.6352, 0.2704, 0.2959



71.6352, 0.3591, 0.3437

Square

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



71.6352, 0.2704, 0.2959



71.6352, 0.3282, 0.3055



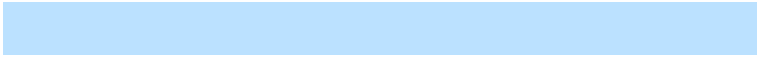
71.6352, 0.3566, 0.3609



71.6352, 0.2964, 0.3543

Rectangle

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



71.6352, 0.2704, 0.2959



71.6352, 0.2966, 0.2910



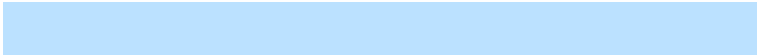
71.6352, 0.3566, 0.3609



71.6352, 0.3277, 0.3703

Sweetspot

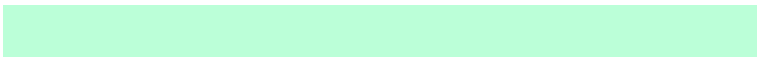
The Sweet Spot groups the original color and five complimentary colors.



71.6371, 0.2704, 0.2959



90.7317, 0.3003, 0.3200



87.0600, 0.2933, 0.3717



19.0632, 0.2979, 0.3183



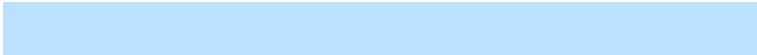
0.0000, 0.0000, 0.0000



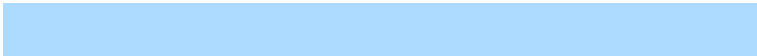
21.4041, 0.3127, 0.3290

Same Dimension

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



71.6371, 0.2704, 0.2959



66.8337, 0.2619, 0.2883



55.2559, 0.2666, 0.2573



19.0632, 0.2979, 0.3183



14.2814, 0.1827, 0.1777



1.6084, 0.1879, 0.1964

Inverse Universe

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



62.2190, 0.3388, 0.2904



56.4174, 0.3457, 0.2824



93.5058, 0.3543, 0.3919



18.1572, 0.3206, 0.3158



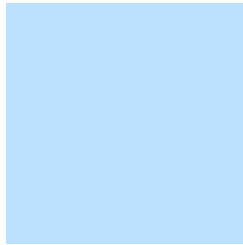
12.1697, 0.4713, 0.2370



1.2069, 0.4494, 0.2249

Previews

White Background



This preview shows how the Yxy color 71.6352, 0.2704, 0.2959 looks on a white background.

Color Contrast Check

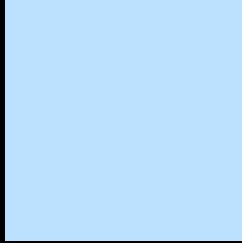
Large Text (above 18pt) WCAG AA × Fail

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 71.6352, 0.2704, 0.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

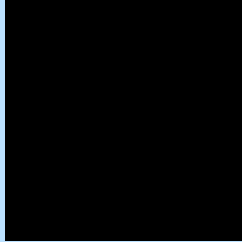
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

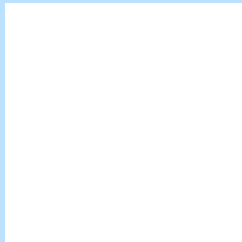
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6352, 0.2704, 0.2959

Background



This preview shows how black text looks on a background with the Yxy color 71.6352, 0.2704, 0.2959.

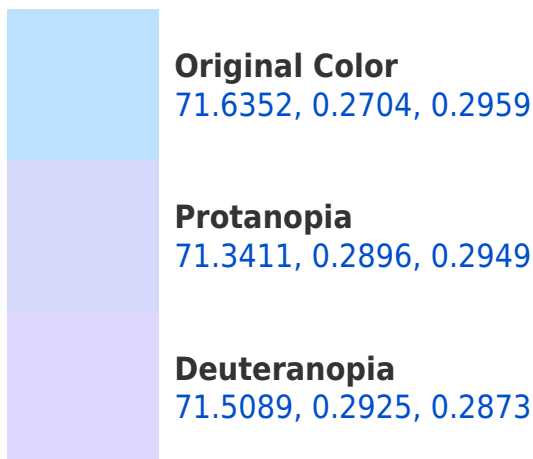


This preview shows how white text looks on a background with the Yxy color 71.6352, 0.2704, 0.2959.

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

71.8450, 0.2749, 0.3088

Trichromacy



Original Color

71.6352, 0.2704, 0.2959

Protanomaly

71.5785, 0.2821, 0.2955

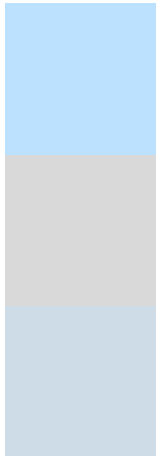
Deuteranomaly

71.5847, 0.2841, 0.2907

Tritanomaly

71.6714, 0.2732, 0.3033

Monochromacy



Original Color

71.6352, 0.2704, 0.2959

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.0777, 0.2959, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6352, 0.2704, 0.2959 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(187, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 225, 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(187, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.6352, 0.2704, 0.2959 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(187, 225, 255) }
```

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

```
.border{ border-color:rgb(187, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6352, 0.2704, 0.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 225, 255) }
```

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

```
.background{ background-color: rgb(187,  
225, 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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