

Converting Colors

$Yxy(72.2283, 0.2658, 0.2861)$

Have a look what the booklet for
Yxy(72.2283, 0.2658, 0.2861)
contains.

Yxy(71.7618, 0.2710, 0.2960)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.7618, 0.2710, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	BCE1FF
RGB	188, 225, 255
RGB Percent	74%, 88%, 100%
CMY	0.2630, 0.1176, 0.0001
CMYK	0.26, 0.12, 0.00, 0.00
HSL	207°, 100%, 87%
HSV	207°, 26%, 100%
XYZ	65.7008, 71.7618, 104.9759
YIQ	217.3570, -31.6820, 1.4860

Conversions

Conversions Part 2

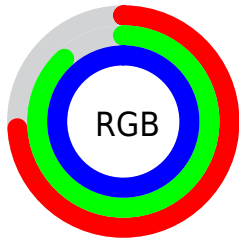
Format	Color
R _Y B	188, 212, 255
Decimal	12378623
CIE Lab	87.85, -5.55, -18.52
CIE LCh	88, 19.335, 253.312
Yxy	71.7618, 0.2710, 0.2960
Android (android.graphics.Color)	4290568703 (0xFFBCE1FF)
YUV	217.3570, 18.5580, -25.7461
Hunter-Lab	84.7123, -9.8063, -14.1738

Details

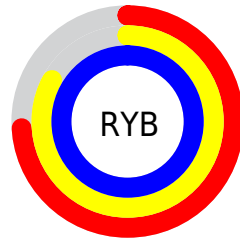
The Yxy color **71.7618, 0.2710, 0.2960** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.9770, 0.3616, 0.3598**, and the grayscale version is **69.5269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **37.8132, 0.2614, 0.2887** is the 20% darker color. If you saturate the color by 10%, you get **62.8507, 0.2549, 0.2811**, and if you desaturate by 10%, it is **81.6618, 0.2871, 0.3096**.

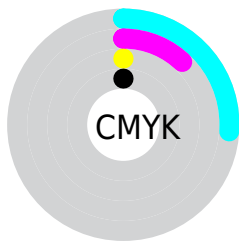
Distribution



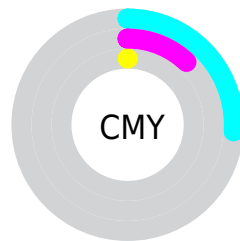
- Red (74%)
- Green (88%)
- Blue (100%)



- Red (74%)
- Yellow (83%)
- Blue (100%)



- Cyan (26%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7618, 0.2710, 0.2960 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 71.7618, 0.2710, 0.2960 by changing the saturation by 10% instead.

■ 71.7618, 0.2710,
0.2960

■ 71.7618, 0.2710,
0.2960

466.7121, 0.2901,
0.3114

■ 52.9641, 0.2667,
0.2925

■ 121.7178, 0.2776,
0.3013

■ 37.7741, 0.2614,
0.2881

153.6449, 0.2801,
0.3034

■ 25.8074, 0.2548,
0.2826

190.7173, 0.2824,
0.3052

■ 16.6796, 0.2463,
0.2755

233.3194, 0.2843,
0.3068

■ 10.0063, 0.2349,
0.2658

281.8355, 0.2860,
0.3081

■ 5.4032, 0.2189,
0.2519

336.6500, 0.2875,

■ 2.4857, 0.1952,

0.3093

0.2307

398.1474, 0.2889,
0.3104

0.8695, 0.1553,
0.1954

0.0000, 0.0000,
0.0000

71.7618, 0.2710,
0.2960

71.7618, 0.2710,
0.2960

62.8507, 0.2549,
0.2811

81.6618, 0.2871,
0.3096

54.8819, 0.2393,
0.2652

92.5779, 0.3030,
0.3219

47.8171, 0.2246,
0.2483

99.9985, 0.3127,
0.3290

41.6116, 0.2112,
0.2308

■ 36.2152, 0.1998,
0.2131

■ 31.5705, 0.1905,
0.1956

■ 27.6081, 0.1835,
0.1789

■ 26.2756, 0.1813,
0.1728

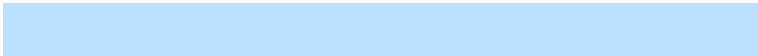
Harmonies

Analogous

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



71.7618, 0.2688, 0.3113



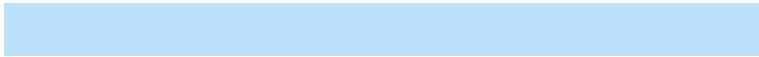
71.7618, 0.2710, 0.2960



71.7618, 0.2839, 0.2900

Triad

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



71.7618, 0.2710, 0.2960



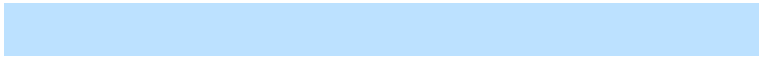
71.7618, 0.3486, 0.3241



71.7618, 0.3193, 0.3676

Complementary

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



71.7618, 0.2710, 0.2960



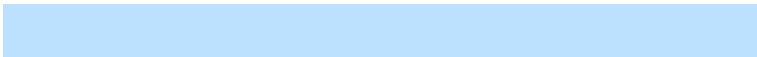
74.9770, 0.3616, 0.3598

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.



71.7618, 0.3413, 0.3700



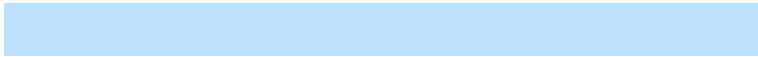
71.7618, 0.2710, 0.2960



71.7618, 0.3587, 0.3440

Square

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



71.7618, 0.2710, 0.2960



71.7618, 0.3286, 0.3061



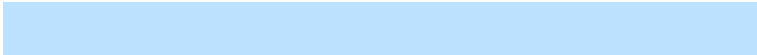
71.7618, 0.3559, 0.3609



71.7618, 0.2961, 0.3536

Rectangle

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



71.7618, 0.2710, 0.2960



71.7618, 0.2972, 0.2915



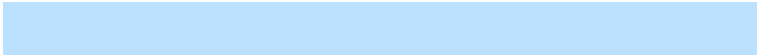
71.7618, 0.3559, 0.3609



71.7618, 0.3270, 0.3698

Sweetspot

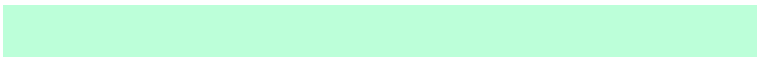
The Sweet Spot groups the original color and five complimentary colors.



71.7647, 0.2710, 0.2960



90.6545, 0.3003, 0.3199



87.1995, 0.2936, 0.3710



19.0437, 0.2979, 0.3181



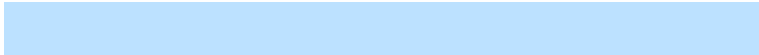
0.0000, 0.0000, 0.0000



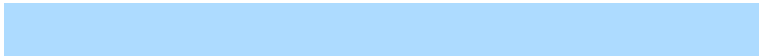
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7647, 0.2710, 0.2960



66.5691, 0.2618, 0.2877



55.7852, 0.2674, 0.2585



19.0437, 0.2979, 0.3181



14.0350, 0.1821, 0.1755



1.5847, 0.1874, 0.1944

Inverse Universe

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



62.6368, 0.3387, 0.2914



56.3906, 0.3461, 0.2829



93.5719, 0.3536, 0.3909



18.1553, 0.3207, 0.3159



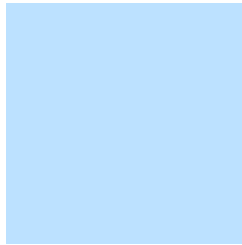
12.1448, 0.4740, 0.2385



1.2045, 0.4516, 0.2262

Previews

White Background



This preview shows how the Yxy color 71.7618, 0.2710, 0.2960 looks on a white background.

Color Contrast Check

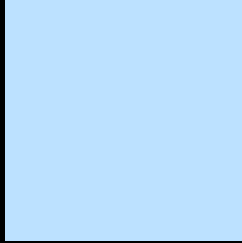
Large Text (above 18pt) WCAG AA × Fail

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 71.7618, 0.2710, 0.2960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

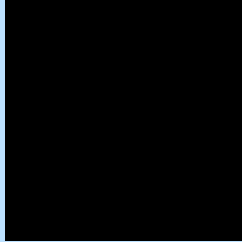
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

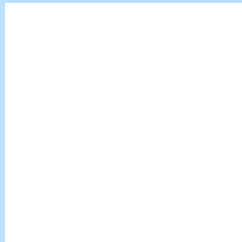
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7618, 0.2710, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 71.7618, 0.2710, 0.2960.



This preview shows how white text looks on a background with the Yxy color 71.7618, 0.2710, 0.2960.

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

71.7618, 0.2710, 0.2960

Protanopia

71.4920, 0.2903, 0.2950

Deuteranopia

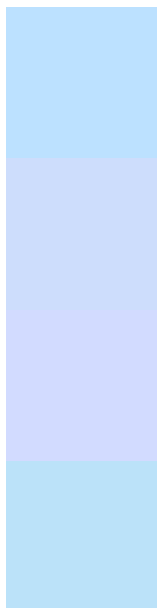
71.5089, 0.2925, 0.2873



Tritanopia

71.9698, 0.2755, 0.3088

Trichromacy



Original Color

71.7618, 0.2710, 0.2960

Protanomaly

71.7203, 0.2827, 0.2956

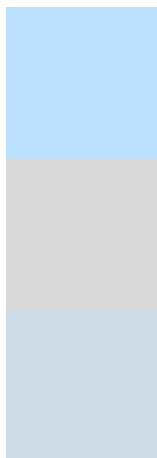
Deuteranomaly

71.5847, 0.2841, 0.2907

Tritanomaly

71.7971, 0.2738, 0.3034

Monochromacy



Original Color

71.7618, 0.2710, 0.2960

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 71.7618, 0.2710, 0.2960 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(188, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.7618, 0.2710, 0.2960 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(188, 225, 255) }
```

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

```
.border{ border-color:rgb(188, 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(188, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7618, 0.2710, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 225, 255) }
```

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

```
.background{ background-color: rgb(188,  
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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