

Converting Colors

$Yxy(70.4156, 0.2683, 0.2940)$

Have a look what the booklet for
Yxy(70.4156, 0.2683, 0.2940)
contains.

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Color

Yxy(70.7217, 0.2686, 0.2946)

Conversions

Conversions Part 1

Format	Color
Hex	B8E0FF
RGB	184, 224, 255
RGB Percent	72%, 88%, 100%
CMY	0.2783, 0.1216, 0.0000
CMYK	0.28, 0.12, 0.00, 0.00
HSL	206°, 100%, 86%
HSV	206°, 28%, 100%
XYZ	64.4801, 70.7217, 104.8582
YIQ	215.5740, -33.7910, 1.1610

Conversions

Conversions Part 2

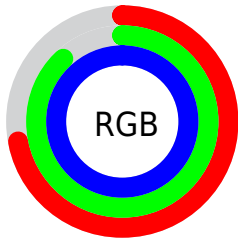
Format	Color
RYB	184, 210, 255
Decimal	12116223
CIELab	87.35, -6.13, -19.32
CIELCh	87, 20.266, 252.382
Yxy	70.7217, 0.2686, 0.2946
Android (android.graphics.Color)	4290306303 (0xFFB8E0FF)
YUV	215.5740, 19.4370, -27.6904
Hunter-Lab	84.0962, -10.3048, -15.0604

Details

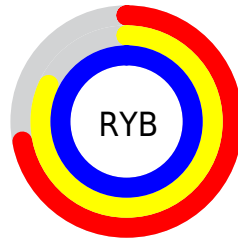
The Yxy color **70.7217, 0.2686, 0.2946** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.3490, 0.3652, 0.3610**, and the grayscale version is **68.2542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **37.1203, 0.2584, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **62.0587, 0.2527, 0.2799**, and if you desaturate by 10%, it is **80.3505, 0.2847, 0.3081**.

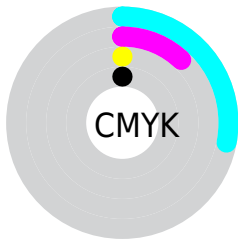
Distribution



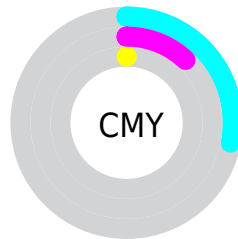
- Red (72%)
- Green (88%)
- Blue (100%)



- Red (72%)
- Yellow (82%)
- Blue (100%)



- Cyan (28%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7217, 0.2686, 0.2946 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 70.7217, 0.2686, 0.2946 by changing the saturation by 10% instead.

■ 70.7217, 0.2686,
0.2946

■ 70.7217, 0.2686,
0.2946

463.0800, 0.2888,
0.3107

■ 52.1151, 0.2641,
0.2909

■ 120.2374, 0.2756,
0.3002

■ 37.0968, 0.2585,
0.2864

151.9153, 0.2783,
0.3024

■ 25.2825, 0.2515,
0.2806

188.7190, 0.2806,
0.3042

■ 16.2876, 0.2424,
0.2730

231.0331, 0.2827,
0.3058

■ 9.7279, 0.2303,
0.2628

279.2418, 0.2845,
0.3073

■ 5.2189, 0.2134,
0.2481

333.7296, 0.2861,

■ 2.3763, 0.1882,

0.3085

0.2257

394.8809, 0.2875,
0.3097

0.8136, 0.1445,
0.1886

0.0000, 0.0000,
0.0000

70.7217, 0.2686,
0.2946

70.7217, 0.2686,
0.2946

62.0587, 0.2527,
0.2799

80.3505, 0.2847,
0.3081

54.3151, 0.2372,
0.2642

90.9721, 0.3006,
0.3203

47.4527, 0.2228,
0.2476

100.0000, 0.3127,
0.3290

41.4264, 0.2099,
0.2304

■ 36.1858, 0.1989,
0.2132

■ 31.6729, 0.1901,
0.1962

■ 27.8123, 0.1836,
0.1798

■ 27.0373, 0.1823,
0.1763

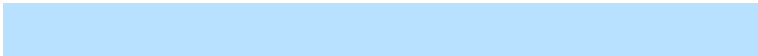
Harmonies

Analogous

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



70.7217, 0.2667, 0.3109



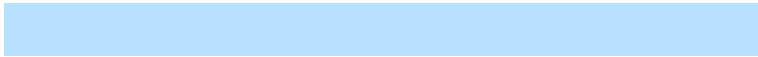
70.7217, 0.2686, 0.2946



70.7217, 0.2818, 0.2880

Triad

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



70.7217, 0.2686, 0.2946



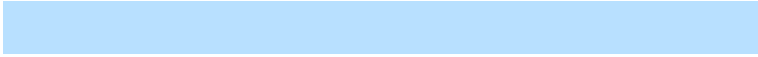
70.7217, 0.3500, 0.3232



70.7217, 0.3203, 0.3700

Complementary

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



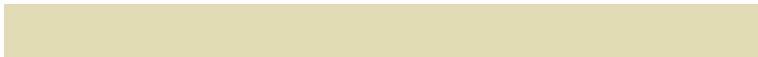
70.7217, 0.2686, 0.2946



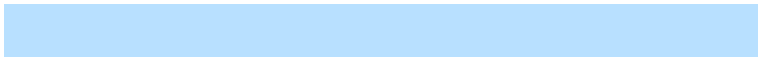
73.3490, 0.3652, 0.3610

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.



70.7217, 0.3434, 0.3721



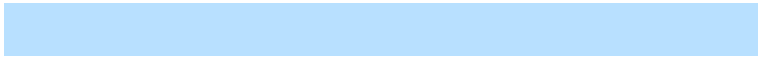
70.7217, 0.2686, 0.2946



70.7217, 0.3611, 0.3440

Square

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



70.7217, 0.2686, 0.2946



70.7217, 0.3287, 0.3044



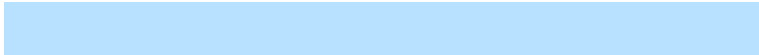
70.7217, 0.3585, 0.3621



70.7217, 0.2959, 0.3556

Rectangle

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



70.7217, 0.2686, 0.2946



70.7217, 0.2957, 0.2894



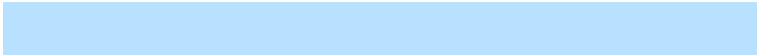
70.7217, 0.3585, 0.3621



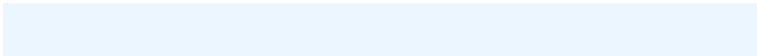
70.7217, 0.3285, 0.3722

Sweetspot

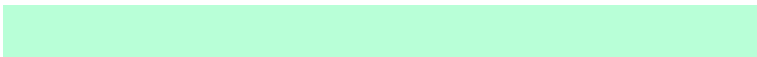
The Sweet Spot groups the original color and five complimentary colors.



70.7245, 0.2686, 0.2946



90.7779, 0.3003, 0.3201



86.6113, 0.2925, 0.3738



19.0748, 0.2979, 0.3184



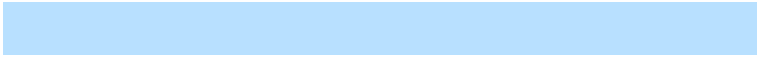
0.0000, 0.0000, 0.0000



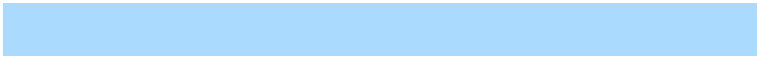
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7245, 0.2686, 0.2946



66.1228, 0.2603, 0.2871



53.7149, 0.2644, 0.2537



19.0748, 0.2979, 0.3184



14.4303, 0.1831, 0.1790



1.6226, 0.1882, 0.1976

Inverse Universe

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



60.9414, 0.3400, 0.2884



55.4031, 0.3467, 0.2806



93.2611, 0.3561, 0.3946



18.1584, 0.3206, 0.3157



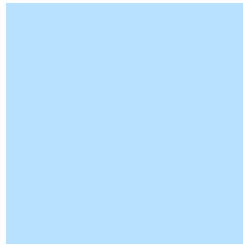
12.1847, 0.4698, 0.2362



1.2083, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 70.7217, 0.2686, 0.2946 looks on a white background.

Color Contrast Check

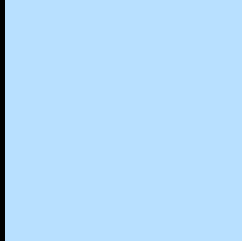
Large Text (above 18pt) WCAG AA × Fail

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 70.7217, 0.2686, 0.2946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

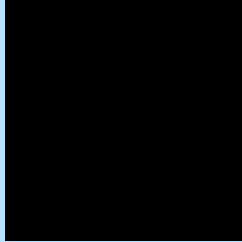
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

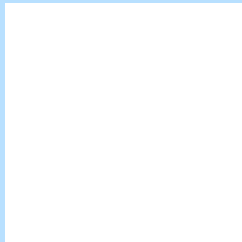
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7217, 0.2686, 0.2946

Background



This preview shows how black text looks on a background with the Yxy color 70.7217, 0.2686, 0.2946.

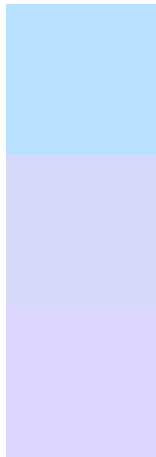


This preview shows how white text looks on a background with the Yxy color 70.7217, 0.2686, 0.2946.

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

70.7217, 0.2686, 0.2946

Protanopia

70.6740, 0.2889, 0.2937

Deuteranopia

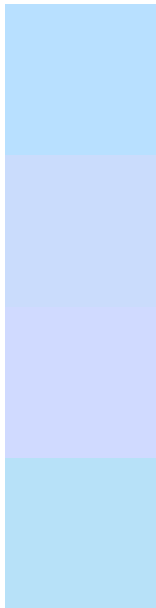
70.6853, 0.2911, 0.2861



Tritanopia

70.8694, 0.2735, 0.3086

Trichromacy



Original Color

70.7217, 0.2686, 0.2946

Protanomaly

70.7712, 0.2808, 0.2943

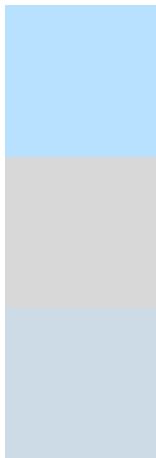
Deuteranomaly

70.7727, 0.2827, 0.2894

Tritanomaly

70.6950, 0.2719, 0.3031

Monochromacy



Original Color

70.7217, 0.2686, 0.2946

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.2136, 0.2952, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7217, 0.2686, 0.2946 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 224, 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, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.7217, 0.2686, 0.2946 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, 224, 255) }
```

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

```
.border{ border-color:rgb(184, 224, 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, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7217, 0.2686, 0.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 224, 255) }
```

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

```
.background{ background-color: rgb(184,  
224, 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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