

Converting Colors

Yxy(66.6414, 0.2719, 0.2910)

Have a look what the booklet for
Yxy(66.6414, 0.2719, 0.2910)
contains.

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Color

Yxy(66.5787, 0.2722, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	BBD8FA
RGB	187, 216, 250
RGB Percent	73%, 85%, 98%
CMY	0.2667, 0.1529, 0.0197
CMYK	0.25, 0.14, 0.00, 0.02
HSL	212°, 86%, 86%
HSV	212°, 25%, 98%
XYZ	62.2988, 66.5787, 99.9939
YIQ	211.2050, -28.1980, 4.4260

Conversions

Conversions Part 2

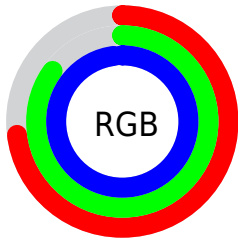
Format	Color
RYB	187, 207, 250
Decimal	12310778
CIELab	85.29, -2.27, -19.76
CIElCh	85, 19.893, 263.445
Yxy	66.5787, 0.2722, 0.2909
Android (android.graphics.Color)	4290500858 (0xFFBBD8FA)
YUV	211.2050, 19.1259, -21.2278
Hunter-Lab	81.5958, -6.5069, -15.5416

Details

The Yxy color **66.5787, 0.2722, 0.2909** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.5966, 0.3577, 0.3643**, and the grayscale version is **65.1683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **34.3265, 0.2632, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **57.0719, 0.2554, 0.2729**, and if you desaturate by 10%, it is **77.2063, 0.2888, 0.3073**.

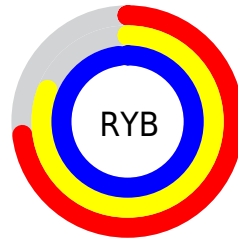
Distribution



Red (73%)

Green (85%)

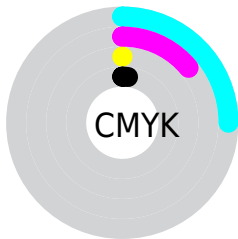
Blue (98%)



Red (73%)

Yellow (81%)

Blue (98%)

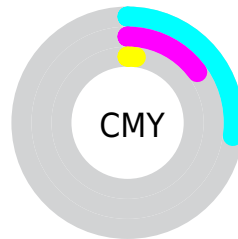


Cyan (25%)

Magenta (14%)

Yellow (0%)

Black (2%)



Cyan (27%)

Magenta (15%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5787, 0.2722, 0.2909 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 66.5787, 0.2722, 0.2909 by changing the saturation by 10% instead.

■ 66.5787, 0.2722,
0.2909

■ 66.5787, 0.2722,
0.2909

448.4437, 0.2910,
0.3087

■ 48.7423, 0.2679,
0.2868

■ 114.3165, 0.2787,
0.2971

■ 34.4151, 0.2626,
0.2817

144.9868, 0.2813,
0.2995

■ 23.2127, 0.2559,
0.2753

180.7037, 0.2835,
0.3016

■ 14.7506, 0.2472,
0.2669

221.8519, 0.2854,
0.3034

■ 8.6446, 0.2353,
0.2554

268.8155, 0.2870,
0.3050

■ 4.5101, 0.2185,
0.2389

321.9791, 0.2885,

■ 1.9628, 0.1930,

0.3064

0.2136

381.7270, 0.2898,
0.3076

0.5857, 0.1417,
0.1655

0.0000, 0.0000,
0.0000

66.5787, 0.2722,
0.2909

66.5787, 0.2722,
0.2909

57.0719, 0.2554,
0.2729

77.2063, 0.2888,
0.3073

48.6359, 0.2386,
0.2536

88.9860, 0.3047,
0.3220

41.2282, 0.2226,
0.2330

99.6810, 0.3156,
0.3338

34.8000, 0.2077,
0.2119

■ 29.2974, 0.1947,
0.1906

■ 24.6593, 0.1839,
0.1699

■ 20.8132, 0.1759,
0.1505

■ 19.2045, 0.1727,
0.1417

Harmonies

Analogous

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



66.5787, 0.2659, 0.3039



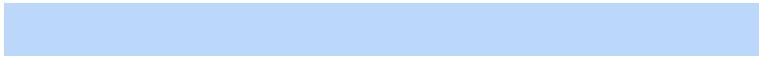
66.5787, 0.2722, 0.2909



66.5787, 0.2891, 0.2882

Triad

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



66.5787, 0.2722, 0.2909



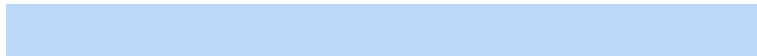
66.5787, 0.3556, 0.3309



66.5787, 0.3111, 0.3661

Complementary

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



66.5787, 0.2722, 0.2909



75.5966, 0.3577, 0.3643

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.



66.5787, 0.3355, 0.3729



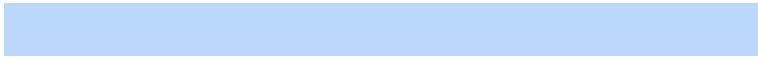
66.5787, 0.2722, 0.2909



66.5787, 0.3618, 0.3513

Square

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



66.5787, 0.2722, 0.2909



66.5787, 0.3374, 0.3108



66.5787, 0.3543, 0.3670



66.5787, 0.2878, 0.3479

Rectangle

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



66.5787, 0.2722, 0.2909



66.5787, 0.3045, 0.2920



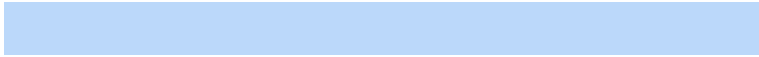
66.5787, 0.3543, 0.3670



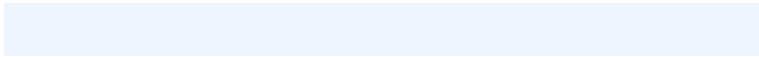
66.5787, 0.3195, 0.3698

Sweetspot

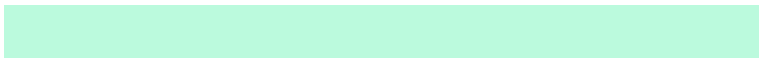
The Sweet Spot groups the original color and five complimentary colors.



66.5814, 0.2722, 0.2909



89.5153, 0.3003, 0.3180



84.1210, 0.2909, 0.3617



18.7570, 0.2979, 0.3158



0.0000, 0.0000, 0.0000



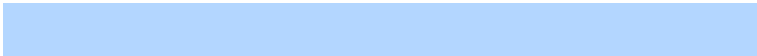
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5814, 0.2722, 0.2909



64.7104, 0.2641, 0.2824



53.2644, 0.2706, 0.2573



17.9610, 0.2979, 0.3159



10.4690, 0.1735, 0.1447



1.1791, 0.1798, 0.1672

Inverse Universe

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



60.8129, 0.3420, 0.2989



58.1424, 0.3494, 0.2929



91.8820, 0.3495, 0.3924



17.3583, 0.3221, 0.3181



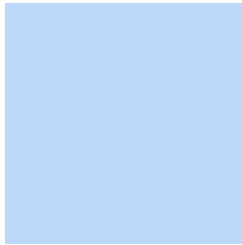
11.4677, 0.5129, 0.2599



1.0833, 0.4841, 0.2440

Previews

White Background



This preview shows how the Yxy color 66.5787, 0.2722, 0.2909 looks on a white background.

Color Contrast Check

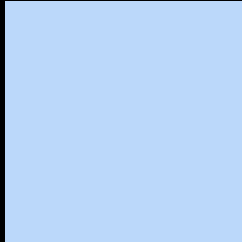
Large Text (above 18pt) WCAG AA × Fail

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 66.5787, 0.2722, 0.2909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

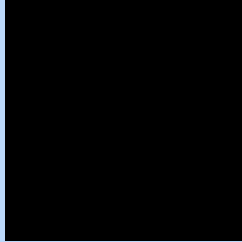
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

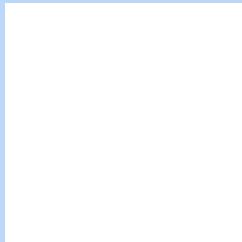
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5787, 0.2722, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 66.5787, 0.2722, 0.2909.



This preview shows how white text looks on a background with the Yxy color 66.5787, 0.2722, 0.2909.

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

66.5787, 0.2722, 0.2909

Protanopia

66.4257, 0.2858, 0.2897

Deuteranopia

66.4362, 0.2880, 0.2819



Tritanopia

66.3893, 0.2785, 0.3082

Trichromacy



Original Color

66.5787, 0.2722, 0.2909

Protanomaly

66.5079, 0.2807, 0.2904

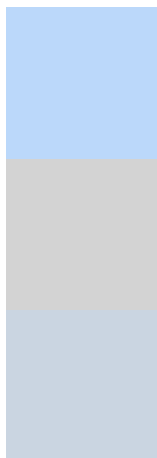
Deuteranomaly

66.3909, 0.2820, 0.2854

Tritanomaly

66.2909, 0.2761, 0.3016

Monochromacy



Original Color

66.5787, 0.2722, 0.2909

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.5813, 0.2969, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5787, 0.2722, 0.2909 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, 216, 250)` looks like.

```
.text, #text, p{  
    color:rgb(187, 216, 250)  
}
```

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, 216, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 216, 250) }
```

Border

The CSS property to change the border of an element to Yxy 66.5787, 0.2722, 0.2909 is called "border". The border property can be set on classes, ids or directly on the HTML element.

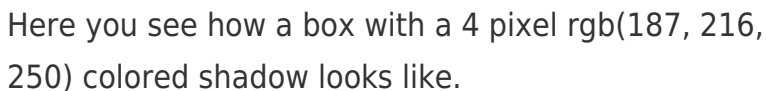
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 216, 250) }
```

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

```
.border{ border-color:rgb(187, 216, 250) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 216, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 216, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 216, 250);  
box-shadow:4px 4px 4px 4px rgb(187, 216,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5787, 0.2722, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 216, 250) }
```

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

```
.background{ background-color: rgb(187,  
216, 250) }
```

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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