

Converting Colors

$Yxy(68.5528, 0.2668, 0.2850)$

Have a look what the booklet for
Yxy(68.5528, 0.2668, 0.2850)
contains.

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Color

Yxy(68.3221, 0.2692, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	BADBFF
RGB	186, 219, 255
RGB Percent	73%, 86%, 100%
CMY	0.2704, 0.1412, 0.0000
CMYK	0.27, 0.14, 0.00, 0.00
HSL	211°, 100%, 86%
HSV	211°, 27%, 100%
XYZ	63.6412, 68.3221, 104.4453
YIQ	213.2370, -31.2240, 4.2000

Conversions

Conversions Part 2

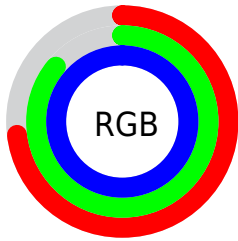
Format	Color
RYB	186, 208, 255
Decimal	12246015
CIELab	86.17, -2.95, -21.09
CIELCh	86, 21.300, 262.035
Yxy	68.3221, 0.2692, 0.2890
Android (android.graphics.Color)	4290436095 (0xFFBADBFF)
YUV	213.2370, 20.5892, -23.8868
Hunter-Lab	82.6572, -7.2155, -17.0586

Details

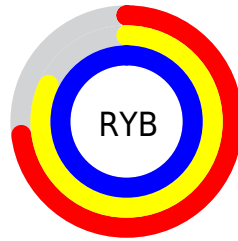
The Yxy color **68.3221, 0.2692, 0.2890** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.0840, 0.3619, 0.3659**, and the grayscale version is **66.5889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **35.4534, 0.2589, 0.2796** is the 20% darker color. If you saturate the color by 10%, you get **58.7362, 0.2525, 0.2714**, and if you desaturate by 10%, it is **79.0386, 0.2858, 0.3051**.

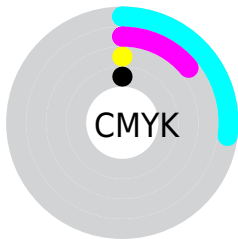
Distribution



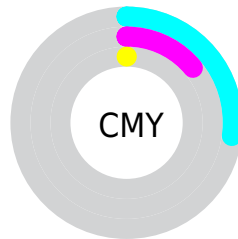
- Red (73%)
- Green (86%)
- Blue (100%)



- Red (73%)
- Yellow (82%)
- Blue (100%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3221, 0.2692, 0.2890 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 68.3221, 0.2692, 0.2890 by changing the saturation by 10% instead.

■ 68.3221, 0.2692,
0.2890

■ 68.3221, 0.2692,
0.2890

454.6364, 0.2893,
0.3076

■ 50.1598, 0.2646,
0.2847

■ 116.8128, 0.2761,
0.2955

■ 35.5404, 0.2590,
0.2795

147.9100, 0.2788,
0.2980

■ 24.0795, 0.2520,
0.2728

184.0877, 0.2812,
0.3002

■ 15.3926, 0.2428,
0.2641

225.7302, 0.2832,
0.3020

■ 9.0954, 0.2306,
0.2524

273.2219, 0.2850,
0.3037

■ 4.8034, 0.2133,
0.2357

326.9473, 0.2866,

■ 2.1324, 0.1874,

0.3052

0.2103

387.2906, 0.2880,
0.3065

0.6828, 0.1407,
0.1665

0.0000, 0.0000,
0.0000

68.3221, 0.2692,
0.2890

68.3221, 0.2692,
0.2890

58.7362, 0.2525,
0.2714

79.0386, 0.2858,
0.3051

50.2307, 0.2360,
0.2524

90.9192, 0.3018,
0.3197

42.7613, 0.2203,
0.2324

100.0000, 0.3127,
0.3290

36.2774, 0.2060,
0.2117

■ 30.7228, 0.1936,
0.1911

■ 26.0331, 0.1836,
0.1711

■ 22.1300, 0.1761,
0.1524

■ 21.0943, 0.1742,
0.1471

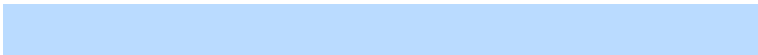
Harmonies

Analogous

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



68.3221, 0.2631, 0.3031



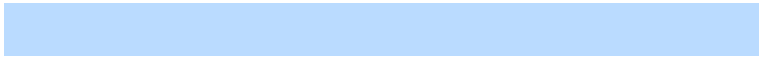
68.3221, 0.2692, 0.2890



68.3221, 0.2866, 0.2857

Triad

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



68.3221, 0.2692, 0.2890



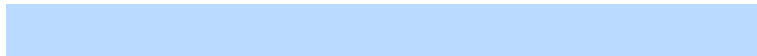
68.3221, 0.3576, 0.3299



68.3221, 0.3122, 0.3691

Complementary

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



68.3221, 0.2692, 0.2890



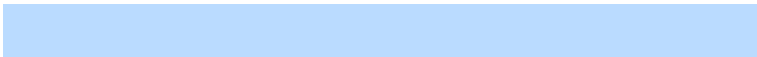
77.0840, 0.3619, 0.3659

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.



68.3221, 0.3380, 0.3757



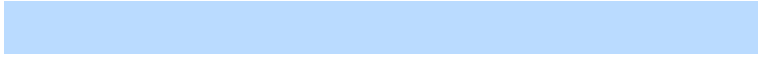
68.3221, 0.2692, 0.2890



68.3221, 0.3649, 0.3516

Square

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



68.3221, 0.2692, 0.2890



68.3221, 0.3378, 0.3088



68.3221, 0.3575, 0.3687



68.3221, 0.2873, 0.3502

Rectangle

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



68.3221, 0.2692, 0.2890



68.3221, 0.3027, 0.2894



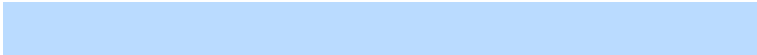
68.3221, 0.3575, 0.3687



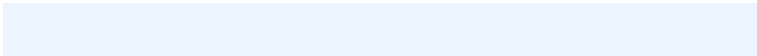
68.3221, 0.3210, 0.3728

Sweetspot

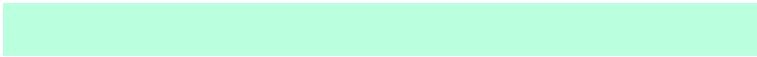
The Sweet Spot groups the original color and five complimentary colors.



68.3244, 0.2692, 0.2890



89.7236, 0.3003, 0.3184



87.2226, 0.2900, 0.3658



18.8094, 0.2979, 0.3163



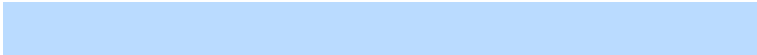
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



68.3244, 0.2692, 0.2890



63.4279, 0.2609, 0.2804



52.9516, 0.2662, 0.2510



18.8094, 0.2979, 0.3163



11.3170, 0.1750, 0.1500



1.3190, 0.1809, 0.1711

Inverse Universe

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



61.5150, 0.3438, 0.2954



56.0735, 0.3514, 0.2890



96.1102, 0.3530, 0.3970



18.1316, 0.3219, 0.3177



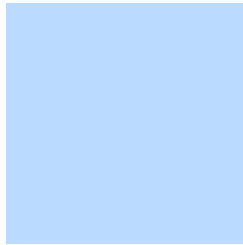
11.8704, 0.5059, 0.2561



1.1777, 0.4793, 0.2414

Previews

White Background



This preview shows how the Yxy color 68.3221, 0.2692, 0.2890 looks on a white background.

Color Contrast Check

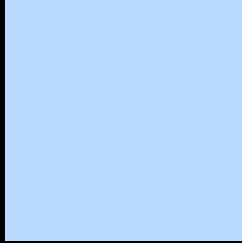
Large Text (above 18pt) WCAG AA × Fail

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 68.3221, 0.2692, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

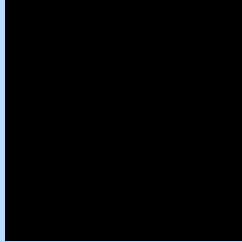
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

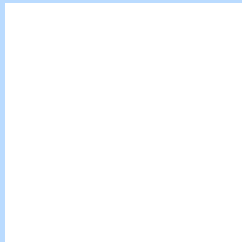
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.3221, 0.2692, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 68.3221, 0.2692, 0.2890.



This preview shows how white text looks on a background with the Yxy color 68.3221, 0.2692, 0.2890.

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

68.3221, 0.2692, 0.2890

Protanopia

67.9634, 0.2848, 0.2880

Deuteranopia

67.9121, 0.2876, 0.2813



Tritanopia

68.5418, 0.2765, 0.3095

Trichromacy



Original Color

68.3221, 0.2692, 0.2890

Protanomaly

67.9085, 0.2791, 0.2886

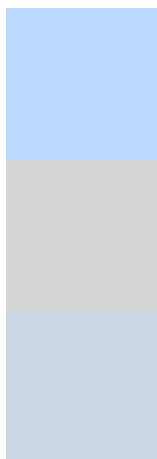
Deuteranomaly

67.7876, 0.2805, 0.2837

Tritanomaly

68.4958, 0.2737, 0.3018

Monochromacy



Original Color

68.3221, 0.2692, 0.2890

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.8988, 0.2957, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3221, 0.2692, 0.2890 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(186, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 219, 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(186, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.3221, 0.2692, 0.2890 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(186, 219, 255) }
```

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

```
.border{ border-color:rgb(186, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3221, 0.2692, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 219, 255) }
```

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

```
.background{ background-color: rgb(186,  
219, 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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