

Converting Colors

$Y_{xy}(63.6001, 0.2712, 0.2873)$

Have a look what the booklet for
Yxy(63.6001, 0.2712, 0.2873)
contains.

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Color

Yxy(63.5562, 0.2709, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	B8D3F8
RGB	184, 211, 248
RGB Percent	72%, 83%, 97%
CMY	0.2787, 0.1725, 0.0275
CMYK	0.26, 0.15, 0.00, 0.03
HSL	215°, 82%, 85%
HSV	215°, 26%, 97%
XYZ	59.9909, 63.5562, 97.9031
YIQ	207.1450, -27.9690, 5.7830

Conversions

Conversions Part 2

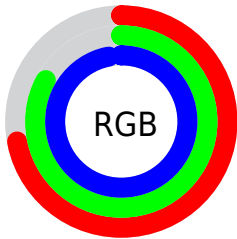
Format	Color
RYB	184, 203, 248
Decimal	12112888
CIELab	83.73, -0.99, -21.08
CIElCh	84, 21.106, 267.305
Yxy	63.5562, 0.2709, 0.2870
Android (android.graphics.Color)	4290302968 (0xFFB8D3F8)
YUV	207.1450, 20.1415, -20.2982
Hunter-Lab	79.7221, -5.1926, -17.0058

Details

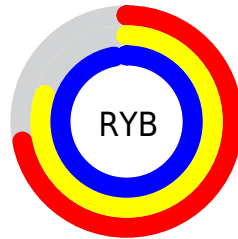
The Yxy color **63.5562, 0.2709, 0.2870** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.0725, 0.3584, 0.3676**, and the grayscale version is **62.3706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **32.6655, 0.2608, 0.2768** is the 20% darker color. If you saturate the color by 10%, you get **53.9630, 0.2537, 0.2676**, and if you desaturate by 10%, it is **74.3244, 0.2877, 0.3047**.

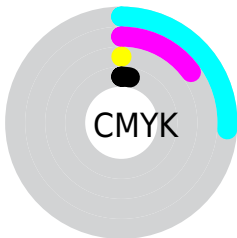
Distribution



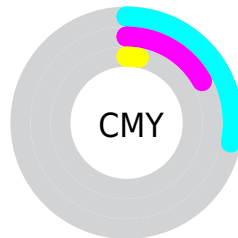
- Red (72%)
- Green (83%)
- Blue (97%)



- Red (72%)
- Yellow (80%)
- Blue (97%)



- Cyan (26%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (28%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5562, 0.2709, 0.2870 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 63.5562, 0.2709, 0.2870 by changing the saturation by 10% instead.

■ 63.5562, 0.2709,
0.2870

■ 63.5562, 0.2709,
0.2870

437.5852, 0.2905,
0.3067

■ 46.2913, 0.2664,
0.2824

■ 109.9715, 0.2777,
0.2939

■ 32.4758, 0.2608,
0.2768

139.8908, 0.2804,
0.2966

■ 21.7252, 0.2537,
0.2696

174.7970, 0.2826,
0.2988

■ 13.6551, 0.2445,
0.2602

215.0744, 0.2846,
0.3008

■ 7.8812, 0.2318,
0.2473

261.1076, 0.2864,
0.3026

■ 4.0190, 0.2138,
0.2289

313.2809, 0.2879,

■ 1.6842, 0.1861,

0.3041

0.2004

371.9786, 0.2893,
0.3055

0.4134, 0.1205,
0.1351

0.0000, 0.0000,
0.0000

63.5562, 0.2709,
0.2870

63.5562, 0.2709,
0.2870

53.9630, 0.2537,
0.2676

74.3244, 0.2877,
0.3047

45.4927, 0.2366,
0.2467

86.3016, 0.3037,
0.3206

38.1001, 0.2201,
0.2246

98.8930, 0.3168,
0.3347

31.7336, 0.2048,
0.2019

99.5567, 0.3168,
0.3357

■ 26.3360, 0.1914,
0.1794

■ 21.8429, 0.1804,
0.1577

■ 18.1782, 0.1722,
0.1377

■ 16.8546, 0.1694,
0.1299

Harmonies

Analogous

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



63.5562, 0.2626, 0.2995



63.5562, 0.2709, 0.2870



63.5562, 0.2902, 0.2856

Triad

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



63.5562, 0.2709, 0.2870



63.5562, 0.3607, 0.3338



63.5562, 0.3075, 0.3671

Complementary

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



63.5562, 0.2709, 0.2870



75.0725, 0.3584, 0.3676

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.



63.5562, 0.3340, 0.3763



63.5562, 0.2709, 0.2870



63.5562, 0.3655, 0.3555

Square

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



63.5562, 0.2709, 0.2870



63.5562, 0.3424, 0.3120



63.5562, 0.3555, 0.3714



63.5562, 0.2831, 0.3463

Rectangle

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



63.5562, 0.2709, 0.2870



63.5562, 0.3072, 0.2906



63.5562, 0.3555, 0.3714



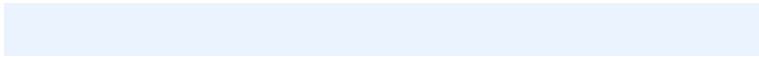
63.5562, 0.3164, 0.3717

Sweetspot

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



63.5587, 0.2709, 0.2870



89.0515, 0.3003, 0.3172



82.4901, 0.2893, 0.3601



18.6404, 0.2979, 0.3149



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.



63.5587, 0.2709, 0.2870



62.2322, 0.2620, 0.2771



51.7472, 0.2709, 0.2555



17.8496, 0.2979, 0.3149



9.3695, 0.1702, 0.1329



1.0726, 0.1767, 0.1561

Inverse Universe

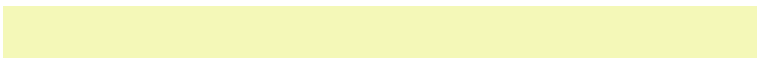
The Inverse Universe completely reimagines the original color for something new.



58.9121, 0.3449, 0.3006



56.9134, 0.3536, 0.2946



89.7692, 0.3489, 0.3943



17.3470, 0.3227, 0.3190



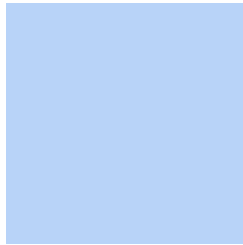
11.3568, 0.5287, 0.2686



1.0725, 0.4981, 0.2518

Previews

White Background



This preview shows how the Yxy color 63.5562, 0.2709, 0.2870 looks on a white background.

Color Contrast Check

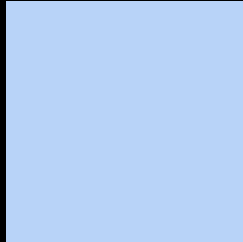
Large Text (above 18pt) WCAG AA × Fail

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 63.5562, 0.2709, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

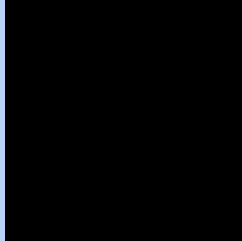
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

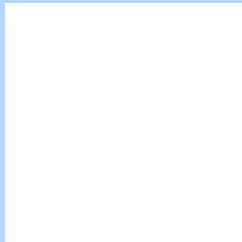
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5562, 0.2709, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 63.5562, 0.2709, 0.2870.



This preview shows how white text looks on a background with the Yxy color 63.5562, 0.2709, 0.2870.

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

63.5562, 0.2709, 0.2870

Protanopia

63.6357, 0.2834, 0.2868

Deuteranopia

63.4978, 0.2849, 0.2789



Tritanopia

63.5660, 0.2785, 0.3090

Trichromacy



Original Color

63.5562, 0.2709, 0.2870

Protanomaly

63.3677, 0.2789, 0.2864

Deuteranomaly

63.6073, 0.2797, 0.2825

Tritanomaly

63.5267, 0.2756, 0.3011

Monochromacy



Original Color

63.5562, 0.2709, 0.2870

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.5278, 0.2967, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5562, 0.2709, 0.2870 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, 211, 248)` looks like.

```
.text, #text, p{  
    color:rgb(184, 211, 248)  
}
```

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, 211, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 211, 248) }
```

Border

The CSS property to change the border of an element to Yxy 63.5562, 0.2709, 0.2870 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, 211, 248) }
```

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

```
.border{ border-color:rgb(184, 211, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 211, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 211, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 211, 248);  
box-shadow:4px 4px 4px 4px rgb(184, 211,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5562, 0.2709, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 211, 248) }
```

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

```
.background{ background-color: rgb(184,  
211, 248) }
```

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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