

Converting Colors

Yxy(65.8461, 0.2723, 0.2842)

Have a look what the booklet for
Yxy(65.8461, 0.2723, 0.2842)
contains.

Yxy(65.8206, 0.2721, 0.2835)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.8206, 0.2721, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	BFD5FE
RGB	191, 213, 254
RGB Percent	75%, 84%, 100%
CMY	0.2510, 0.1647, 0.0037
CMYK	0.25, 0.16, 0.00, 0.00
HSL	219°, 97%, 87%
HSV	219°, 25%, 100%
XYZ	63.1738, 65.8206, 103.1770
YIQ	211.0960, -26.2730, 8.0870

Conversions

Conversions Part 2

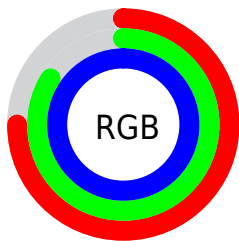
Format	Color
R_{YB}	191, 207, 254
Decimal	12572158
CIE _{Lab}	84.90, 1.42, -22.47
CIE _{LCh}	85, 22.514, 273.608
Yxy	65.8206, 0.2721, 0.2835
Android (android.graphics.Color)	4290762238 (0xFFBFD5FE)
YUV	211.0960, 21.1517, -17.6242
Hunter-Lab	81.1299, -2.9838, -18.6112

Details

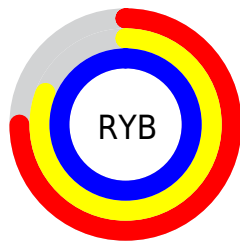
The Yxy color **65.8206, 0.2721, 0.2835** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.5768, 0.3553, 0.3706**, and the grayscale version is **65.0809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **33.7192, 0.2622, 0.2724** is the 20% darker color. If you saturate the color by 10%, you get **54.9102, 0.2543, 0.2616**, and if you desaturate by 10%, it is **78.1559, 0.2892, 0.3034**.

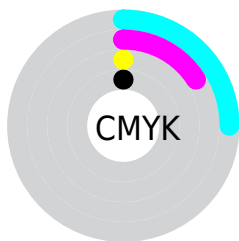
Distribution



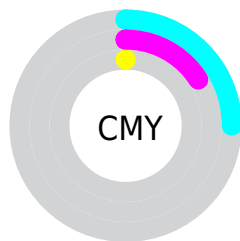
- Red (75%)
- Green (84%)
- Blue (100%)



- Red (75%)
- Yellow (81%)
- Blue (100%)



- Cyan (25%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8206, 0.2721, 0.2835 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 65.8206, 0.2721, 0.2835 by changing the saturation by 10% instead.

■ 65.8206, 0.2721,
0.2835

■ 65.8206, 0.2721,
0.2835

■ 445.7350, 0.2910,
0.3046

■ 48.1268, 0.2678,
0.2787

■ 113.2288, 0.2787,
0.2908

■ 33.9273, 0.2624,
0.2727

■ 143.7120, 0.2812,
0.2937

■ 22.8378, 0.2556,
0.2652

■ 179.2271, 0.2834,
0.2961

■ 14.4738, 0.2468,
0.2555

■ 220.1585, 0.2854,
0.2983

■ 8.4509, 0.2348,
0.2423

■ 266.8906, 0.2870,
0.3001

■ 4.3848, 0.2178,
0.2237

■ 319.8078, 0.2885,

■ 1.8911, 0.1920,

0.3018

0.1957

379.2944, 0.2898,
0.3033

0.5430, 0.1441,
0.1421

0.0000, 0.0000,
0.0000

65.8206, 0.2721,
0.2835

65.8206, 0.2721,
0.2835

54.9102, 0.2543,
0.2616

78.1559, 0.2892,
0.3034

45.3621, 0.2364,
0.2380

91.9599, 0.3053,
0.3212

37.1203, 0.2188,
0.2131

99.9386, 0.3133,
0.3299

30.1212, 0.2023,
0.1877

■ 24.2953, 0.1877,
0.1627

■ 19.5645, 0.1758,
0.1392

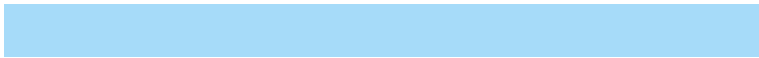
■ 15.8378, 0.1670,
0.1183

■ 14.2471, 0.1635,
0.1087

Harmonies

Analogous

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



65.8206, 0.2607, 0.2942



65.8206, 0.2721, 0.2835



65.8206, 0.2943, 0.2845

Triad

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



65.8206, 0.2721, 0.2835



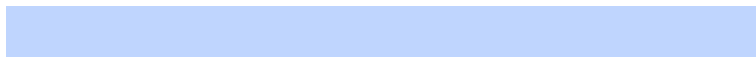
65.8206, 0.3657, 0.3390



65.8206, 0.3013, 0.3655

Complementary

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



65.8206, 0.2721, 0.2835



82.5768, 0.3553, 0.3706

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.



65.8206, 0.3294, 0.3782



65.8206, 0.2721, 0.2835



65.8206, 0.3674, 0.3610

Square

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



65.8206, 0.2721, 0.2835



65.8206, 0.3490, 0.3157



65.8206, 0.3538, 0.3759



65.8206, 0.2770, 0.3417

Rectangle

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



65.8206, 0.2721, 0.2835



65.8206, 0.3129, 0.2912



65.8206, 0.3538, 0.3759



65.8206, 0.3106, 0.3713

Sweetspot

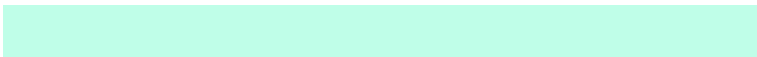
The Sweet Spot groups the original color and five complimentary colors.



65.8232, 0.2721, 0.2835



89.5790, 0.3019, 0.3175



87.8126, 0.2874, 0.3529



18.9888, 0.3009, 0.3164



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.



65.8232, 0.2721, 0.2835



60.5019, 0.2629, 0.2724



56.7608, 0.2764, 0.2594



18.4145, 0.2979, 0.3131



7.7568, 0.1643, 0.1116



0.9507, 0.1706, 0.1340

Inverse Universe

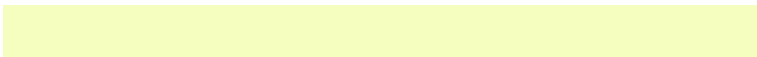
The Inverse Universe completely reimagines the original color for something new.



63.1436, 0.3472, 0.3065



57.7175, 0.3568, 0.3015



94.0114, 0.3440, 0.3926



18.0918, 0.3239, 0.3207



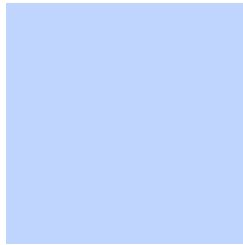
11.5110, 0.5587, 0.2851



1.1405, 0.5272, 0.2678

Previews

White Background



This preview shows how the Yxy color 65.8206, 0.2721, 0.2835 looks on a white background.

Color Contrast Check

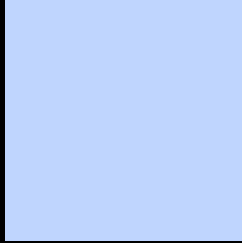
Large Text (above 18pt) WCAG AA × Fail

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 65.8206, 0.2721, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

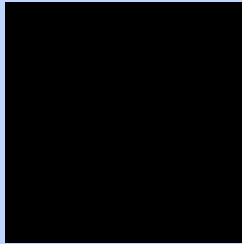
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

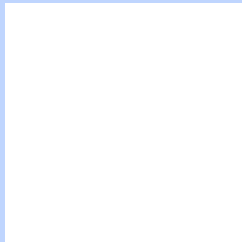
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8206, 0.2721, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 65.8206, 0.2721, 0.2835.



This preview shows how white text looks on a background with the Yxy color 65.8206, 0.2721, 0.2835.

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

65.8206, 0.2721, 0.2835

Protanopia

65.8180, 0.2807, 0.2832

Deuteranopia

65.6945, 0.2841, 0.2776



Tritanopia

65.6170, 0.2814, 0.3083

Trichromacy



Original Color

65.8206, 0.2721, 0.2835

Protanomaly

65.8225, 0.2776, 0.2829

Deuteranomaly

65.6583, 0.2795, 0.2791

Tritanomaly

65.6431, 0.2779, 0.2994

Monochromacy



Original Color

65.8206, 0.2721, 0.2835

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.4704, 0.2970, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8206, 0.2721, 0.2835 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(191, 213, 254)` looks like.

```
.text, #text, p{  
    color:rgb(191, 213, 254)  
}
```

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(191, 213, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 213, 254) }
```

Border

The CSS property to change the border of an element to Yxy 65.8206, 0.2721, 0.2835 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(191, 213, 254) }
```

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

```
.border{ border-color:rgb(191, 213, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 213, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 213, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 213, 254);  
box-shadow:4px 4px 4px 4px rgb(191, 213,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8206, 0.2721, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 213, 254) }
```

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

```
.background{ background-color: rgb(191,  
213, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor