

Converting Colors

$Yxy(82.5594, 0.2737, 0.3194)$

Have a look what the booklet for
Yxy(82.5594, 0.2737, 0.3194)
contains.

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Color

Yxy(82.3580, 0.2735, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	BBF4FD
RGB	187, 244, 253
RGB Percent	73%, 96%, 99%
CMY	0.2668, 0.0431, 0.0079
CMYK	0.26, 0.04, 0.00, 0.01
HSL	188°, 94%, 86%
HSV	188°, 26%, 99%
XYZ	70.5668, 82.3580, 105.0890
YIQ	227.9830, -36.8610, -9.2850

Conversions

Conversions Part 2

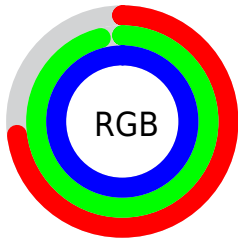
Format	Color
R _Y B	187, 218, 253
Decimal	12317949
CIE Lab	92.73, -15.93, -10.18
CIE LCh	93, 18.902, 212.585
Yxy	82.3580, 0.2735, 0.3192
Android (android.graphics.Color)	4290508029 (0xFFBBF4FD)
YUV	227.9830, 12.3334, -35.9421
Hunter-Lab	90.7513, -20.0160, -5.1313

Details

The Yxy color **82.3580, 0.2735, 0.3192** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.9225, 0.3665, 0.3386**, and the grayscale version is **77.4965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **44.8575, 0.2653, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **77.3973, 0.2600, 0.3149**, and if you desaturate by 10%, it is **87.9259, 0.2880, 0.3232**.

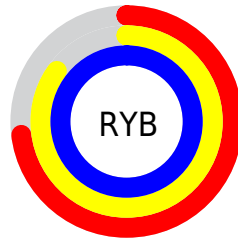
Distribution



Red (73%)

Green (96%)

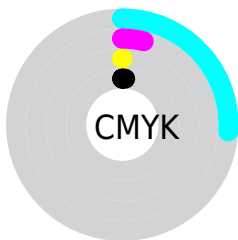
Blue (99%)



Red (73%)

Yellow (85%)

Blue (99%)

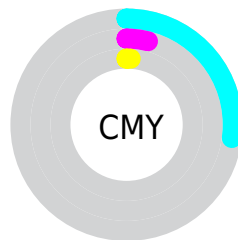


Cyan (26%)

Magenta (4%)

Yellow (0%)

Black (1%)



Cyan (27%)


Magenta (4%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3580, 0.2735, 0.3192 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 82.3580, 0.2735, 0.3192 by changing the saturation by 10% instead.


 82.3580, 0.2735,
0.3192

 82.3580, 0.2735,
0.3192

502.8444, 0.2910,
0.3239

 61.6607, 0.2696,
0.3181


 136.6759, 0.2795,
0.3209

 44.7586, 0.2650,
0.3167


171.0653, 0.2818,
0.3215

 31.2673, 0.2591,
0.3149


210.7875, 0.2838,
0.3221

 20.8025, 0.2517,
0.3125

256.2269, 0.2856,
0.3225

 12.9797, 0.2419,
0.3093

307.7679, 0.2872,
0.3229

 7.4146, 0.2284,
0.3044

365.7949, 0.2886,

 3.7227, 0.2088,

0.3233

0.2967

430.6922, 0.2899,
0.3236

■ 1.5197, 0.1778,
0.2828

■ 0.3025, 0.0000,
0.2248

■ 82.3580, 0.2735,
0.3192

■ 82.3580, 0.2735,
0.3192

■ 77.3973, 0.2600,
0.3149

■ 87.9259, 0.2880,
0.3232

■ 73.0042, 0.2477,
0.3104

■ 94.1185, 0.3032,
0.3269

■ 69.1496, 0.2371,
0.3057

■ 99.4411, 0.3139,
0.3303

■ 65.7977, 0.2282,
0.3009

■ 99.8707, 0.3139,
0.3309

■ 62.9077, 0.2213,
0.2960

■ 60.4325, 0.2164,
0.2912

■ 58.3130, 0.2133,
0.2864

■ 57.5466, 0.2124,
0.2845

Harmonies

Analogous

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



82.3580, 0.2854, 0.3397



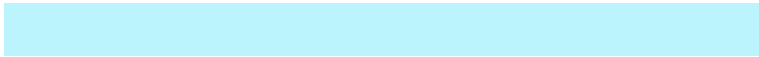
82.3580, 0.2735, 0.3192



82.3580, 0.2717, 0.3024

Triad

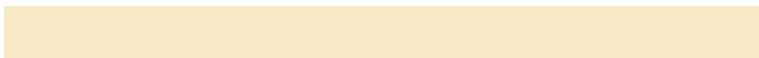
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3580, 0.2735, 0.3192



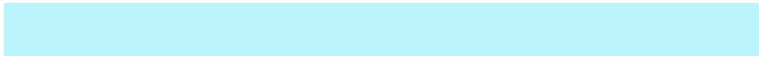
82.3580, 0.3197, 0.3027



82.3580, 0.3454, 0.3653

Complementary

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



82.3580, 0.2735, 0.3192



63.9225, 0.3665, 0.3386

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.



82.3580, 0.3554, 0.3538



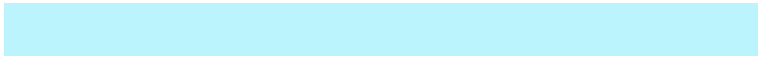
82.3580, 0.2735, 0.3192



82.3580, 0.3403, 0.3181

Square

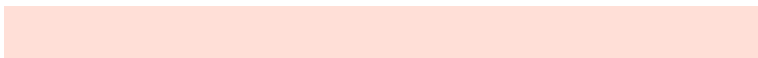
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



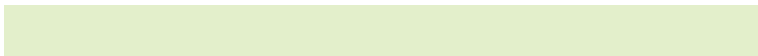
82.3580, 0.2735, 0.3192



82.3580, 0.2978, 0.2937



82.3580, 0.3536, 0.3365



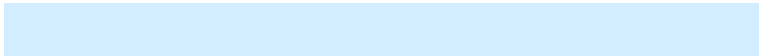
82.3580, 0.3267, 0.3671

Rectangle

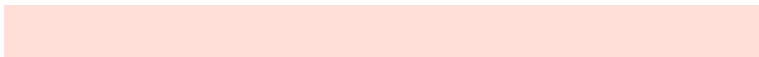
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3580, 0.2735, 0.3192



82.3580, 0.2764, 0.2954



82.3580, 0.3536, 0.3365



82.3580, 0.3499, 0.3624

Sweetspot

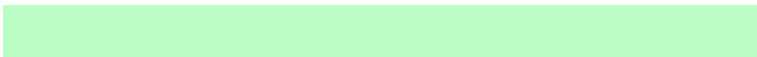
The Sweet Spot groups the original color and five complimentary colors.



82.3613, 0.2735, 0.3192



94.5781, 0.3003, 0.3262



84.7764, 0.3044, 0.3937



20.0356, 0.2980, 0.3257



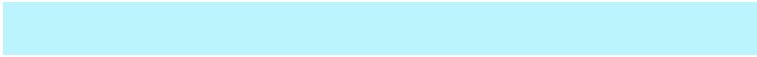
0.0000, 0.0000, 0.0000



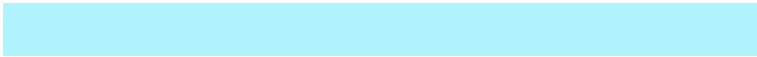
21.4041, 0.3127, 0.3290

Same Dimension

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



82.3613, 0.2735, 0.3192



81.3007, 0.2667, 0.3171



64.3306, 0.2700, 0.2822



20.0356, 0.2980, 0.3257



30.7768, 0.2126, 0.2853



3.1079, 0.2141, 0.2908

Inverse Universe

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



62.9431, 0.3224, 0.2721



58.8384, 0.3246, 0.2612



80.3832, 0.3581, 0.3717



18.2554, 0.3159, 0.3087



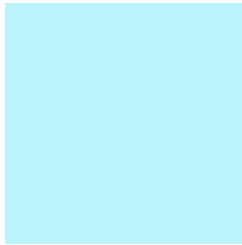
13.8349, 0.3586, 0.1749



1.3583, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 82.3580, 0.2735, 0.3192 looks on a white background.

Color Contrast Check

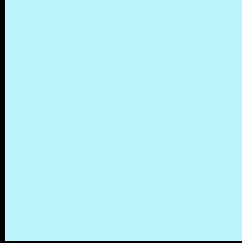
Large Text (above 18pt) WCAG AA × Fail

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 82.3580, 0.2735, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

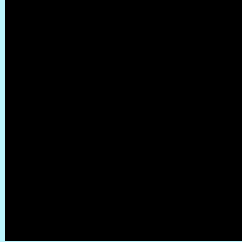
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3580, 0.2735, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 82.3580, 0.2735, 0.3192.

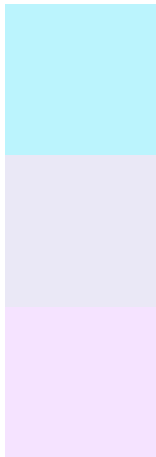


This preview shows how white text looks on a background with the Yxy color 82.3580, 0.2735, 0.3192.

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

82.3580, 0.2735, 0.3192

Protanopia

81.8595, 0.3054, 0.3147

Deuteranopia

81.5706, 0.3072, 0.3013



Tritanopia

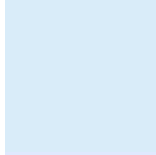
82.0967, 0.2805, 0.3131

Trichromacy



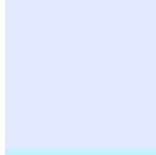
Original Color

82.3580, 0.2735, 0.3192



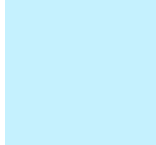
Protanomaly

81.5822, 0.2927, 0.3154



Deuteranomaly

81.2809, 0.2941, 0.3074



Tritanomaly

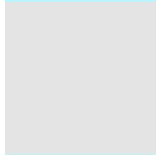
81.9367, 0.2783, 0.3151

Monochromacy



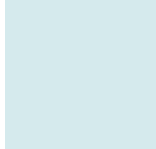
Original Color

82.3580, 0.2735, 0.3192



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.1062, 0.2971, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3580, 0.2735, 0.3192 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, 244, 253)` looks like.

```
.text, #text, p{  
    color:rgb(187, 244, 253)  
}
```

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, 244, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 244, 253) }
```

Border

The CSS property to change the border of an element to Yxy 82.3580, 0.2735, 0.3192 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, 244, 253) }
```

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

```
.border{ border-color:rgb(187, 244, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 244, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 244, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 244, 253);  
box-shadow:4px 4px 4px 4px rgb(187, 244,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3580, 0.2735, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 244, 253) }
```

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

```
.background{ background-color: rgb(187,  
244, 253) }
```

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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