

# Converting Colors

Yxy(80.7512, 0.2731, 0.3248)

Have a look what the booklet for  
Yxy(80.7512, 0.2731, 0.3248)  
contains.

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# Color

**Yxy(80.6403, 0.2732, 0.3245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5F3F7
RGB	181, 243, 247
RGB Percent	71%, 95%, 97%
CMY	0.2902, 0.0470, 0.0314
CMYK	0.27, 0.02, 0.00, 0.03
HSL	184°, 80%, 84%
HSV	184°, 27%, 97%
XYZ	67.8919, 80.6403, 99.9741
YIQ	224.9180, -38.2360, -11.9000

# Conversions

## Conversions Part 2

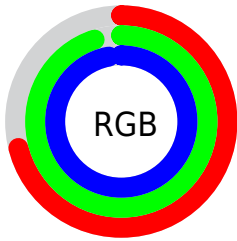
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	181, 213, 247
Decimal	11924471
CIE Lab	91.97, -18.44, -8.23
CIE LCh	92, 20.193, 204.057
Yxy	80.6403, 0.2732, 0.3245
Android (android.graphics.Color)	4290114551 (0xFFB5F3F7)
YUV	224.9180, 10.8864, -38.5161
Hunter-Lab	89.7999, -22.1976, -3.1475

# Details

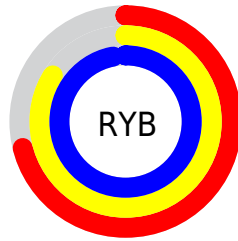
The Yxy color **80.6403, 0.2732, 0.3245** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.7961, 0.3695, 0.3335**, and the grayscale version is **75.1743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **43.7379, 0.2643, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **77.0292, 0.2603, 0.3226**, and if you desaturate by 10%, it is **84.7943, 0.2873, 0.3263**.

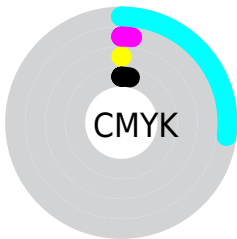
# Distribution



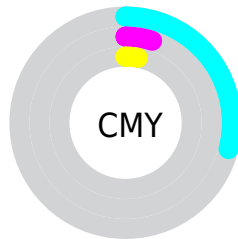
- Red (71%)
- Green (95%)
- Blue (97%)



- Red (71%)
- Yellow (84%)
- Blue (97%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)




- Cyan (29%)
- Magenta (5%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6403, 0.2732, 0.3245 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 80.6403, 0.2732, 0.3245 by changing the saturation by 10% instead.





 80.6403, 0.2732,  
0.3245

 80.6403, 0.2732,  
0.3245


497.0881, 0.2909,  
0.3268

 60.2454, 0.2693,  
0.3239


 134.2656, 0.2792,  
0.3254

 43.6165, 0.2645,  
0.3232


168.2648, 0.2816,  
0.3257

 30.3691, 0.2585,  
0.3222


207.5675, 0.2837,  
0.3259

 20.1189, 0.2509,  
0.3208

252.5581, 0.2855,  
0.3262

 12.4815, 0.2408,  
0.3189

303.6211, 0.2871,  
0.3264

 7.0725, 0.2269,  
0.3159

361.1409, 0.2885,

 3.5075, 0.2064,

0.3265

0.3108

425.5017, 0.2898,  
0.3267

■ 1.4021, 0.1737,  
0.3008

■ 0.2182, 0.0000,  
0.2116

■ 80.6403, 0.2732,  
0.3245

■ 80.6403, 0.2732,  
0.3245

■ 77.0292, 0.2603,  
0.3226

■ 84.7943, 0.2873,  
0.3263

■ 73.9235, 0.2490,  
0.3206

■ 89.5075, 0.3023,  
0.3280


■ 71.2956, 0.2394,  
0.3186


■ 94.7903, 0.3178,  
0.3295

■ 69.1119, 0.2316,  
0.3165

■ 95.7081, 0.3177,  
0.3309

 67.3340, 0.2259,  
0.3144

 96.6332, 0.3176,  
0.3323

 65.9167, 0.2220,  
0.3124

 97.5656, 0.3175,  
0.3338

 64.8034, 0.2199,  
0.3104

 98.5053, 0.3174,  
0.3352

 64.4755, 0.2194,  
0.3097

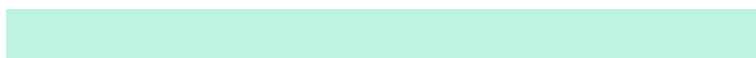
 99.4525, 0.3174,  
0.3366

 99.4949, 0.3174,  
0.3367

# Harmonies

## Analogous

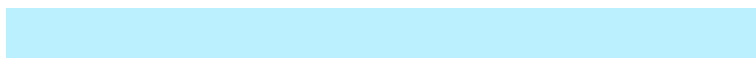
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6403, 0.2886, 0.3466



80.6403, 0.2732, 0.3245



80.6403, 0.2681, 0.3048

# Triad

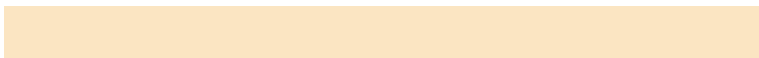
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6403, 0.2732, 0.3245



80.6403, 0.3133, 0.2972



80.6403, 0.3520, 0.3654

# Complementary

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



80.6403, 0.2732, 0.3245



57.7961, 0.3695, 0.3335

# 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.



80.6403, 0.3595, 0.3507



80.6403, 0.2732, 0.3245



80.6403, 0.3367, 0.3120

# Square

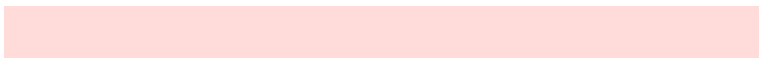
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6403, 0.2732, 0.3245



80.6403, 0.2906, 0.2901



80.6403, 0.3538, 0.3313



80.6403, 0.3340, 0.3708

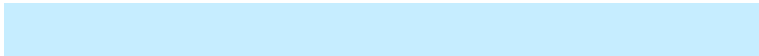


# Rectangle

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



80.6403, 0.2732, 0.3245



80.6403, 0.2710, 0.2956



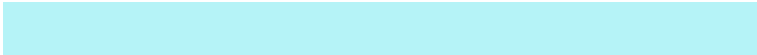
80.6403, 0.3538, 0.3313



80.6403, 0.3559, 0.3614

# Sweetspot

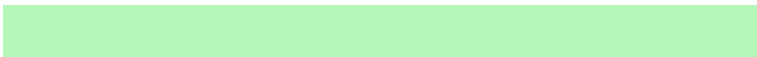
The Sweet Spot groups the original color and five complimentary colors.



80.6436, 0.2732, 0.3245



95.5511, 0.3003, 0.3278



79.8119, 0.3073, 0.4021



20.2825, 0.2980, 0.3275



0.0000, 0.0000, 0.0000

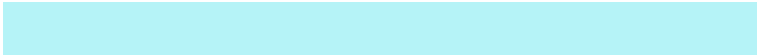


21.4041, 0.3127, 0.3290



# Same Dimension

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



80.6436, 0.2732, 0.3245



84.5678, 0.2662, 0.3235



62.9732, 0.2696, 0.2875



18.5764, 0.2981, 0.3275



34.1784, 0.2195, 0.3101



3.0550, 0.2202, 0.3126



# Inverse Universe

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



59.2886, 0.3189, 0.2661



58.2076, 0.3202, 0.2535



72.8846, 0.3607, 0.3672



16.7500, 0.3147, 0.3071



13.5497, 0.3367, 0.1628

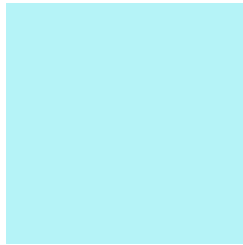


1.1960, 0.3345, 0.1616



# Previews

## White Background



This preview shows how the Yxy color 80.6403, 0.2732, 0.3245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

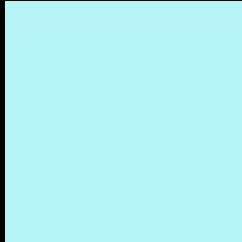
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.6403, 0.2732, 0.3245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

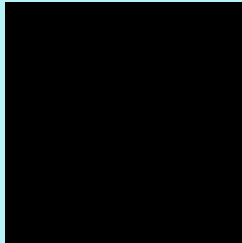
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.6403, 0.2732, 0.3245**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.6403, 0.2732, 0.3245.

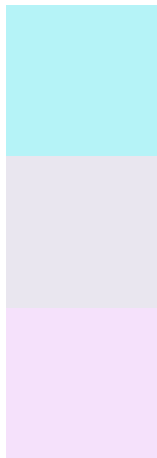


This preview shows how white text looks on a background with the Yxy color 80.6403, 0.2732, 0.3245.

# 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

80.6403, 0.2732, 0.3245

### Protanopia

80.1493, 0.3091, 0.3197

### Deuteranopia

80.2279, 0.3098, 0.3031



## Tritanopia

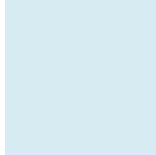
80.4223, 0.2759, 0.3118

# Trichromacy



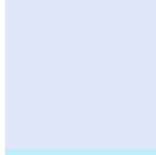
## Original Color

80.6403, 0.2732, 0.3245



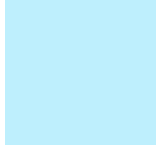
## Protanomaly

80.1236, 0.2948, 0.3215



## Deuteranomaly

80.1449, 0.2952, 0.3103



## Tritanomaly

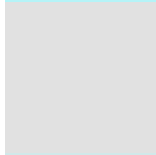
80.1673, 0.2747, 0.3159

# Monochromacy



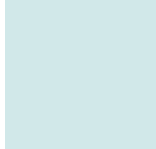
## Original Color

80.6403, 0.2732, 0.3245



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.1517, 0.2969, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.6403, 0.2732, 0.3245 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(181, 243, 247)` looks like.

```
.text, #text, p{  
    color:rgb(181, 243, 247)  
}
```

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(181, 243, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 243, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 80.6403, 0.2732, 0.3245 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(181, 243, 247) }
```

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

```
.border{ border-color:rgb(181, 243, 247) }
```

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

Here you see how a box with a 4 pixel rgb(181, 243, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 243, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 243, 247);  
box-shadow:4px 4px 4px 4px rgb(181, 243,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.6403, 0.2732, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 243, 247) }
```

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

```
.background{ background-color: rgb(181,  
243, 247) }
```

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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