

# Converting Colors

$Yxy(80.7590, 0.2757, 0.3286)$

Have a look what the booklet for  
Yxy(80.7590, 0.2757, 0.3286)  
contains.

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# Color

**Yxy(80.5779, 0.2753, 0.3278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6F3F4
RGB	182, 243, 244
RGB Percent	71%, 95%, 96%
CMY	0.2862, 0.0470, 0.0432
CMYK	0.25, 0.00, 0.00, 0.04
HSL	181°, 74%, 84%
HSV	181°, 25%, 96%
XYZ	67.6727, 80.5779, 97.5637
YIQ	224.8750, -36.6770, -12.6210

# Conversions

## Conversions Part 2

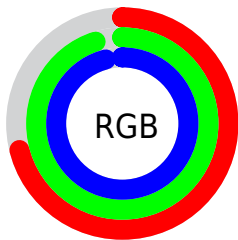
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 213, 244
Decimal	11990004
CIELab	91.94, -18.80, -6.70
CIELCh	92, 19.961, 199.627
Yxy	80.5779, 0.2753, 0.3278
Android (android.graphics.Color)	4290180084 (0xFFB6F3F4)
YUV	224.8750, 9.4286, -37.6014
Hunter-Lab	89.7652, -22.5206, -1.6053

# Details

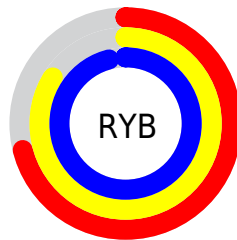
The Yxy color **80.5779, 0.2753, 0.3278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.4791, 0.3665, 0.3302**, and the grayscale version is **75.1555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **43.6835, 0.2668, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **77.6322, 0.2626, 0.3273**, and if you desaturate by 10%, it is **84.0481, 0.2893, 0.3283**.

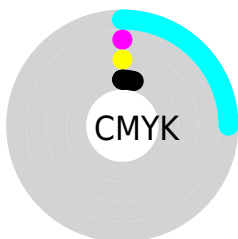
# Distribution



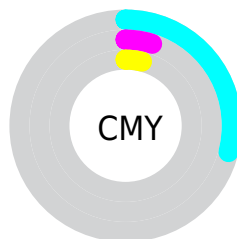
- Red (71%)
- Green (95%)
- Blue (96%)



- Red (71%)
- Yellow (84%)
- Blue (96%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (29%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5779, 0.2753, 0.3278 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 80.5779, 0.2753, 0.3278 by changing the saturation by 10% instead.




 80.5779, 0.2753,  
0.3278

 80.5779, 0.2753,  
0.3278

496.8783, 0.2921,  
0.3286

 60.1940, 0.2716,  
0.3276

 134.1779, 0.2810,  
0.3281

 43.5750, 0.2670,  
0.3273

168.1629, 0.2833,  
0.3282

 30.3366, 0.2614,  
0.3268


207.4503, 0.2853,  
0.3283

 20.0942, 0.2541,  
0.3262

252.4246, 0.2870,  
0.3284

 12.4635, 0.2444,  
0.3252

303.4701, 0.2885,  
0.3285

 7.0602, 0.2311,  
0.3236

360.9713, 0.2898,

 3.4998, 0.2113,

0.3285

425.3126, 0.2910,  
0.3286

0.3207

1.3979, 0.1794,  
0.3144

0.2152, 0.0000,  
0.2343

80.5779, 0.2753,  
0.3278

80.5779, 0.2753,  
0.3278

77.6322, 0.2626,  
0.3273

84.0481, 0.2893,  
0.3283

75.1745, 0.2515,  
0.3267


88.0580, 0.3043,  
0.3288


73.1787, 0.2421,  
0.3262


92.5928, 0.3199,  
0.3292

71.6125, 0.2347,  
0.3257


92.8269, 0.3198,  
0.3296


 70.4393, 0.2292,  
0.3251


 93.0615, 0.3198,  
0.3299

 69.6166, 0.2257,  
0.3246

 93.2966, 0.3198,  
0.3303

 69.0917, 0.2238,  
0.3241

 93.5321, 0.3198,  
0.3307

 68.9137, 0.2233,  
0.3238

 93.7682, 0.3197,  
0.3311

 94.0048, 0.3197,  
0.3314

# Harmonies

## Analogous

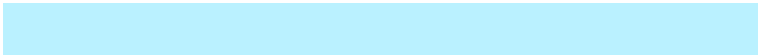
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5779, 0.2918, 0.3494



80.5779, 0.2753, 0.3278



80.5779, 0.2686, 0.3075

# Triad

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



80.5779, 0.2753, 0.3278



80.5779, 0.3098, 0.2960



80.5779, 0.3534, 0.3634

# Complementary

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



80.5779, 0.2753, 0.3278



56.4791, 0.3665, 0.3302

# 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.



80.5779, 0.3589, 0.3478



80.5779, 0.2753, 0.3278



80.5779, 0.3332, 0.3097

# Square

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



80.5779, 0.2753, 0.3278



80.5779, 0.2880, 0.2902



80.5779, 0.3514, 0.3283

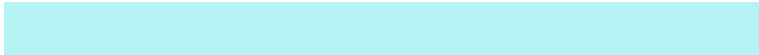


80.5779, 0.3369, 0.3702

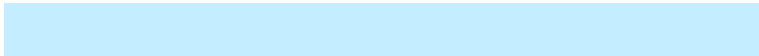


# Rectangle

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



80.5779, 0.2753, 0.3278



80.5779, 0.2704, 0.2976



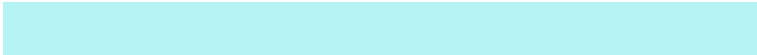
80.5779, 0.3514, 0.3283



80.5779, 0.3567, 0.3589

# Sweetspot

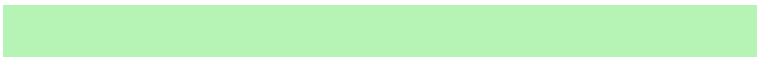
The Sweet Spot groups the original color and five complimentary colors.



80.5812, 0.2753, 0.3278



96.1272, 0.3003, 0.3286



78.0202, 0.3093, 0.4016



20.4289, 0.2980, 0.3286



0.0000, 0.0000, 0.0000

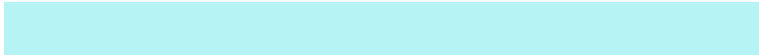


21.4041, 0.3127, 0.3290



# Same Dimension

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



80.5812, 0.2753, 0.3278



87.4901, 0.2692, 0.3276



64.0694, 0.2722, 0.2935



18.7099, 0.2981, 0.3286



37.4962, 0.2233, 0.3239



3.3098, 0.2235, 0.3246



# Inverse Universe

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



59.1667, 0.3164, 0.2666



60.4420, 0.3171, 0.2552



70.2001, 0.3587, 0.3620



16.7635, 0.3141, 0.3061



13.8846, 0.3249, 0.1564

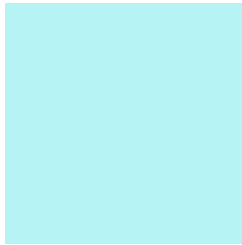


1.2218, 0.3244, 0.1561



# Previews

## White Background



This preview shows how the Yxy color 80.5779, 0.2753, 0.3278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

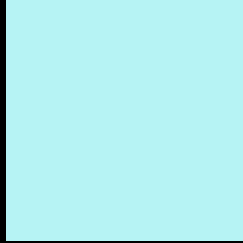
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.5779, 0.2753, 0.3278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

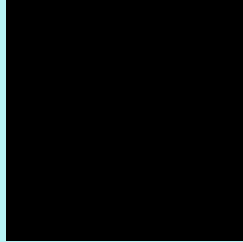
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.5779, 0.2753, 0.3278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.5779, 0.2753, 0.3278.

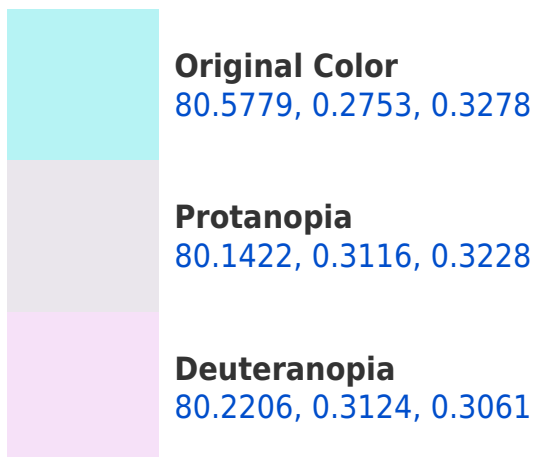


This preview shows how white text looks on a background with the Yxy color 80.5779, 0.2753, 0.3278.

# 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





## Tritanopia

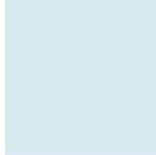
80.5551, 0.2764, 0.3118

# Trichromacy



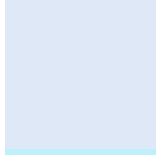
## Original Color

80.5779, 0.2753, 0.3278



## Protanomaly

80.0957, 0.2972, 0.3247



## Deuteranomaly

80.1166, 0.2976, 0.3134



## Tritanomaly

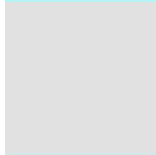
80.2324, 0.2758, 0.3170

# Monochromacy



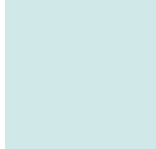
## Original Color

80.5779, 0.2753, 0.3278



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.0947, 0.2975, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.5779, 0.2753, 0.3278 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(182, 243, 244)` looks like.

```
.text, #text, p{  
    color:rgb(182, 243, 244)  
}
```

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(182, 243, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 243, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 80.5779, 0.2753, 0.3278 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(182, 243, 244) }
```

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

```
.border{ border-color:rgb(182, 243, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 243, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 243, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 243, 244);  
box-shadow:4px 4px 4px 4px rgb(182, 243,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.5779, 0.2753, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 243, 244) }
```

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

```
.background{ background-color: rgb(182,  
243, 244) }
```

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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