

# Converting Colors

$Yxy(80.8435, 0.2816, 0.3358)$

Have a look what the booklet for  
Yxy(80.8435, 0.2816, 0.3358)  
contains.

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# Color

**Yxy(80.7804, 0.2817, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF3ED
RGB	187, 243, 237
RGB Percent	73%, 95%, 93%
CMY	0.2668, 0.0470, 0.0704
CMYK	0.23, 0.00, 0.02, 0.05
HSL	174°, 70%, 84%
HSV	174°, 23%, 95%
XYZ	67.8266, 80.7804, 92.1691
YIQ	225.5720, -31.4500, -13.7380

# Conversions

## Conversions Part 2

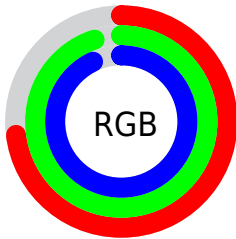
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 217, 243
Decimal	12317677
CIE Lab	92.03, -18.85, -2.93
CIE LCh	92, 19.078, 188.827
Yxy	80.7804, 0.2817, 0.3355
Android (android.graphics.Color)	4290507757 (0xFFBBF3ED)
YUV	225.5720, 5.6340, -33.8276
Hunter-Lab	89.8779, -22.5808, 2.1131

# Details

The Yxy color **80.7804, 0.2817, 0.3355** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.4259, 0.3554, 0.3227**, and the grayscale version is **75.7015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **43.7824, 0.2747, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **77.8244, 0.2699, 0.3387**, and if you desaturate by 10%, it is **84.2637, 0.2946, 0.3325**.

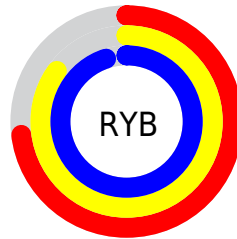
# Distribution



Red (73%)

Green (95%)

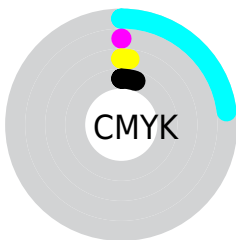
Blue (93%)



Red (73%)

Yellow (85%)

Blue (95%)

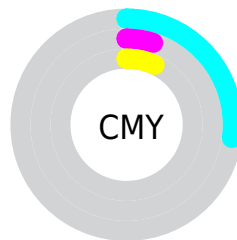


Cyan (23%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (27%)

Magenta (5%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7804, 0.2817, 0.3355 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 80.7804, 0.2817, 0.3355 by changing the saturation by 10% instead.





 80.7804, 0.2817,  
0.3355

 80.7804, 0.2817,  
0.3355


497.5590, 0.2957,  
0.3327

 60.3608, 0.2786,  
0.3361


 134.4624, 0.2865,  
0.3346

 43.7095, 0.2748,  
0.3368


168.4935, 0.2884,  
0.3342

 30.4422, 0.2700,  
0.3377


207.8306, 0.2900,  
0.3338

 20.1745, 0.2639,  
0.3389

252.8580, 0.2914,  
0.3336

 12.5219, 0.2557,  
0.3403

303.9601, 0.2927,  
0.3333

 7.1002, 0.2443,  
0.3422

361.5214, 0.2938,

 3.5248, 0.2272,

0.3331

425.9262, 0.2948,  
0.3329

0.3448

1.4115, 0.1990,  
0.3484

0.2252, 0.0000,  
0.3336

80.7804, 0.2817,  
0.3355

80.7804, 0.2817,  
0.3355

77.8244, 0.2699,  
0.3387

84.2637, 0.2946,  
0.3325

75.3597, 0.2594,  
0.3421

88.2888, 0.3084,  
0.3298

73.3612, 0.2506,  
0.3457

91.9481, 0.3194,  
0.3273

71.7978, 0.2436,  
0.3493


92.1070, 0.3179,  
0.3248

 70.6342, 0.2386,  
0.3530


 92.2683, 0.3163,  
0.3223

 69.8300, 0.2355,  
0.3567

 92.4317, 0.3147,  
0.3198

 69.3360, 0.2342,  
0.3604

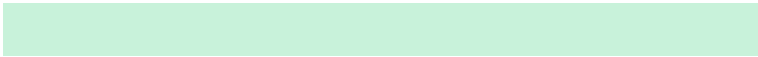
 92.5874, 0.3133,  
0.3175

 69.1243, 0.2342,  
0.3630

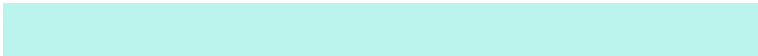
# Harmonies

## Analogous

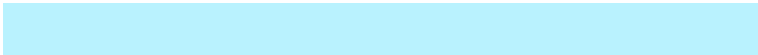
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7804, 0.3001, 0.3549



80.7804, 0.2817, 0.3355



80.7804, 0.2716, 0.3150

# Triad

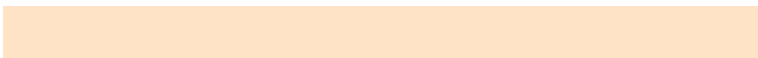
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7804, 0.2817, 0.3355



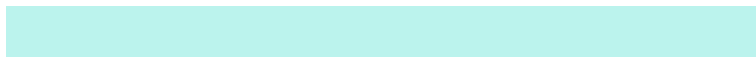
80.7804, 0.3020, 0.2944



80.7804, 0.3549, 0.3573

# Complementary

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



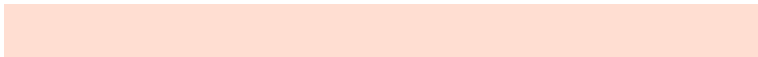
80.7804, 0.2817, 0.3355



58.4259, 0.3554, 0.3227

# 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.



80.7804, 0.3556, 0.3405



80.7804, 0.2817, 0.3355



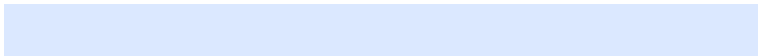
80.7804, 0.3245, 0.3051

# Square

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



80.7804, 0.2817, 0.3355



80.7804, 0.2830, 0.2922



80.7804, 0.3444, 0.3217



80.7804, 0.3425, 0.3672

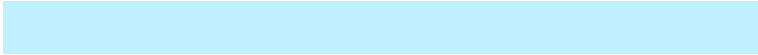


# Rectangle

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



80.7804, 0.2817, 0.3355



80.7804, 0.2707, 0.3037



80.7804, 0.3444, 0.3217



80.7804, 0.3565, 0.3522

# Sweetspot

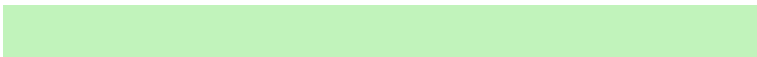
The Sweet Spot groups the original color and five complimentary colors.



80.7837, 0.2817, 0.3355



96.6485, 0.3029, 0.3308



79.0963, 0.3139, 0.3932



20.6280, 0.3020, 0.3310



0.0000, 0.0000, 0.0000

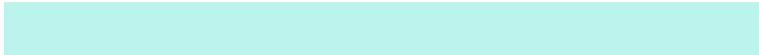


21.4041, 0.3127, 0.3290

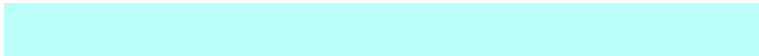


# Same Dimension

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



80.7837, 0.2817, 0.3355



88.4010, 0.2756, 0.3371



69.0208, 0.2766, 0.3047



18.7256, 0.2995, 0.3315



37.9463, 0.2340, 0.3624



3.3437, 0.2327, 0.3578



# Inverse Universe

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



58.4259, 0.3554, 0.3227



59.1455, 0.3678, 0.3212



67.9712, 0.3553, 0.3521



16.5112, 0.3277, 0.3265



10.5078, 0.6276, 0.3231

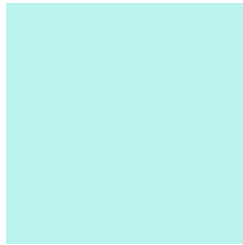


0.9328, 0.6030, 0.3095



# Previews

## White Background



This preview shows how the Yxy color 80.7804, 0.2817, 0.3355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

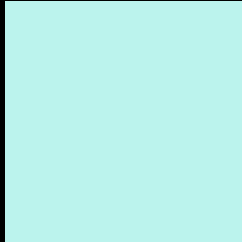
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.7804, 0.2817, 0.3355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

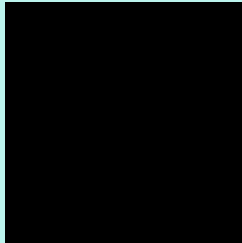
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

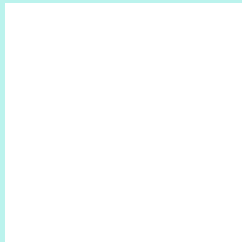
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.7804, 0.2817, 0.3355**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.7804, 0.2817, 0.3355.

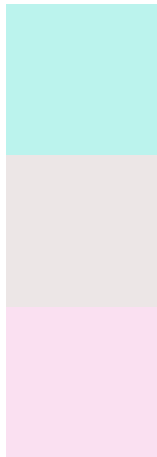


This preview shows how white text looks on a background with the Yxy color 80.7804, 0.2817, 0.3355.

# 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

80.7804, 0.2817, 0.3355

### Protanopia

80.1397, 0.3168, 0.3290

### Deuteranopia

79.9862, 0.3198, 0.3121



## Tritanopia

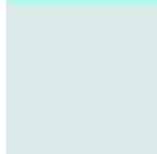
80.3748, 0.2781, 0.3108

# Trichromacy



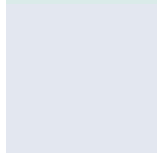
## Original Color

80.7804, 0.2817, 0.3355



## Protanomaly

80.2053, 0.3027, 0.3311



## Deuteranomaly

79.7740, 0.3044, 0.3196



## Tritanomaly

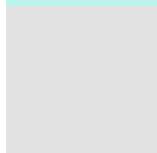
80.5668, 0.2797, 0.3203

# Monochromacy



## Original Color

80.7804, 0.2817, 0.3355



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

77.4234, 0.3006, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.7804, 0.2817, 0.3355 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, 243, 237)` looks like.

```
.text, #text, p{  
    color:rgb(187, 243, 237)  
}
```

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, 243, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 243, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 80.7804, 0.2817, 0.3355 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, 243, 237) }
```

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

```
.border{ border-color:rgb(187, 243, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 243, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 243, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 243, 237);  
box-shadow:4px 4px 4px 4px rgb(187, 243,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.7804, 0.2817, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 243, 237) }
```

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

```
.background{ background-color: rgb(187,  
243, 237) }
```

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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