

# Converting Colors

$Yxy(80.6151, 0.2946, 0.3311)$

Have a look what the booklet for  
Yxy(80.6151, 0.2946, 0.3311)  
contains.

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# Color

**Yxy(80.6151, 0.2946, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0EEEC
RGB	208, 238, 236
RGB Percent	82%, 93%, 93%
CMY	0.1843, 0.0667, 0.0745
CMYK	0.13, 0.00, 0.01, 0.07
HSL	176°, 47%, 87%
HSV	176°, 13%, 93%
XYZ	71.7282, 80.6151, 91.1333
YIQ	228.8020, -17.2380, -6.9820

# Conversions

## Conversions Part 2

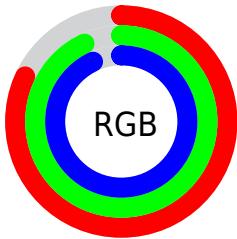
Format	Color
R <sub>Y</sub> B	208, 224, 238
Decimal	13692652
CIE Lab	91.96, -10.13, -2.34
CIE LCh	92, 10.394, 193.030
Yxy	80.6151, 0.2946, 0.3311
Android (android.graphics.Color)	4291882732 (0xFFD0EEEC)
YUV	228.8020, 3.5486, -18.2434
Hunter-Lab	89.7859, -14.5252, 2.6704

# Details

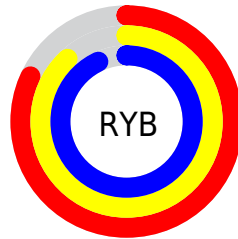
The Yxy color **80.6151, 0.2946, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9478, 0.3342, 0.3269**, and the grayscale version is **78.1872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5235, 0.2904, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **77.3313, 0.2812, 0.3329**, and if you desaturate by 10%, it is **84.4242, 0.3089, 0.3294**.

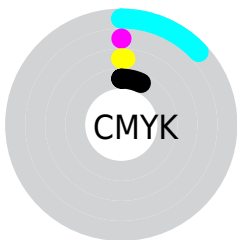
# Distribution



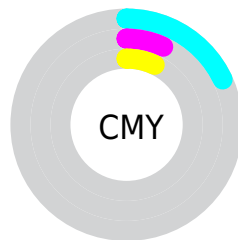
- Red (82%)
- Green (93%)
- Blue (93%)



- Red (82%)
- Yellow (88%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6151, 0.2946, 0.3311 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 80.6151, 0.2946, 0.3311 by changing the saturation by 10% instead.



80.6151, 0.2946,  
0.3311

80.6151, 0.2946,  
0.3311

497.0033, 0.3028,  
0.3302

60.2246, 0.2928,  
0.3313

134.2302, 0.2974,  
0.3308

43.5997, 0.2905,  
0.3315

168.2236, 0.2985,  
0.3307

30.3560, 0.2877,  
0.3318

207.5201, 0.2995,  
0.3306

20.1089, 0.2841,  
0.3321

252.5042, 0.3003,  
0.3305

12.4742, 0.2792,  
0.3326

303.5601, 0.3010,  
0.3304

7.0675, 0.2724,  
0.3332

361.0724, 0.3017,

3.5044, 0.2620,

0.3303

425.4253, 0.3023,  
0.3303

0.3339

1.4004, 0.2446,  
0.3349

0.2170, 0.0000,  
0.3516

80.6151, 0.2946,  
0.3311

80.6151, 0.2946,  
0.3311

77.3313, 0.2812,  
0.3329

84.4242, 0.3089,  
0.3294

74.5395, 0.2689,  
0.3349


88.6540, 0.3233,  
0.3279


72.2186, 0.2580,  
0.3370

88.7487, 0.3223,  
0.3263

70.3416, 0.2488,  
0.3392


88.8441, 0.3213,  
0.3248


 68.8789, 0.2414,  
0.3414

 88.9404, 0.3203,  
0.3232

 67.7976, 0.2360,  
0.3437


 89.0375, 0.3193,  
0.3217

 67.0593, 0.2326,  
0.3460

 89.1355, 0.3183,  
0.3202

 66.6179, 0.2309,  
0.3482

 89.2343, 0.3173,  
0.3186

 66.4296, 0.2305,  
0.3498

 89.3340, 0.3164,  
0.3171

# Harmonies

## Analogous

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



80.6151, 0.3043, 0.3416



80.6151, 0.2946, 0.3311



80.6151, 0.2897, 0.3202

# Triad

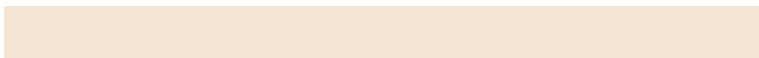
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6151, 0.2946, 0.3311



80.6151, 0.3087, 0.3103



80.6151, 0.3350, 0.3457

# Complementary

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



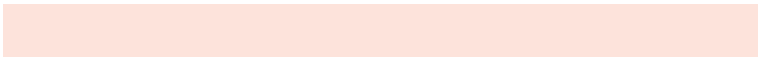
80.6151, 0.2946, 0.3311



67.9478, 0.3342, 0.3269

# 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.



80.6151, 0.3363, 0.3371



80.6151, 0.2946, 0.3311



80.6151, 0.3209, 0.3169

# Square

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



80.6151, 0.2946, 0.3311



80.6151, 0.2977, 0.3085



80.6151, 0.3311, 0.3266



80.6151, 0.3277, 0.3500



# Rectangle

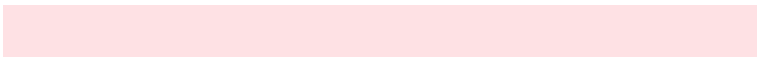
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



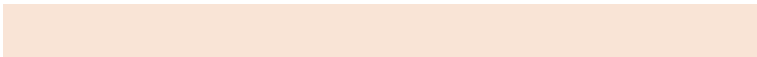
80.6151, 0.2946, 0.3311



80.6151, 0.2898, 0.3143



80.6151, 0.3311, 0.3266



80.6151, 0.3362, 0.3432

# Sweetspot

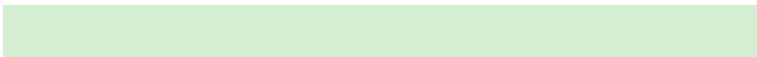
The Sweet Spot groups the original color and five complimentary colors.



80.6185, 0.2946, 0.3311



98.0727, 0.3068, 0.3296



79.4822, 0.3128, 0.3620



20.9164, 0.3057, 0.3298



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.



80.6185, 0.2946, 0.3311



93.2897, 0.2912, 0.3315



73.7089, 0.2931, 0.3154



17.9096, 0.2990, 0.3306



37.0674, 0.2304, 0.3495



3.0891, 0.2296, 0.3465



# Inverse Universe

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



67.9478, 0.3342, 0.3269



75.8877, 0.3391, 0.3265



74.1852, 0.3339, 0.3423



15.7760, 0.3283, 0.3275



10.1683, 0.6329, 0.3260



0.8519, 0.6151, 0.3162



# Previews

## White Background



This preview shows how the Yxy color 80.6151, 0.2946, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

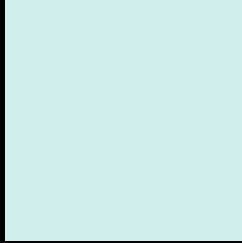
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.6151, 0.2946, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

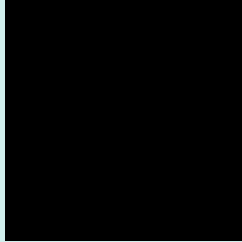
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

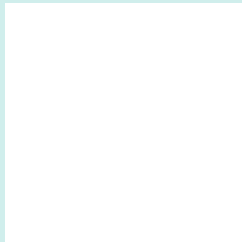
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.6151, 0.2946, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.6151, 0.2946, 0.3311.

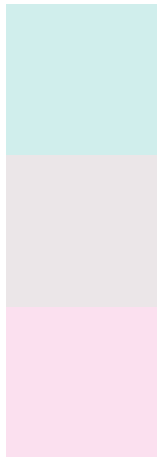


This preview shows how white text looks on a background with the Yxy color 80.6151, 0.2946, 0.3311.

# 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

80.6151, 0.2946, 0.3311

### Protanopia

80.0820, 0.3149, 0.3269

### Deuteranopia

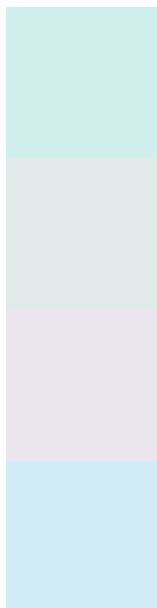
80.0525, 0.3218, 0.3141



## Tritanopia

80.4213, 0.2861, 0.3090

# Trichromacy



## Original Color

80.6151, 0.2946, 0.3311

## Protanomaly

80.1686, 0.3074, 0.3290

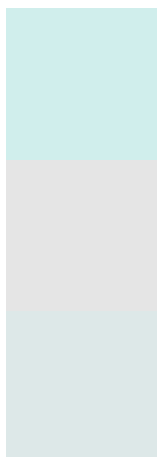
## Deuteranomaly

79.8738, 0.3111, 0.3198

## Tritanomaly

80.4079, 0.2895, 0.3173

# Monochromacy



## Original Color

80.6151, 0.2946, 0.3311

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

78.9116, 0.3053, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.6151, 0.2946, 0.3311 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(208, 238, 236)` looks like.

```
.text, #text, p{  
    color:rgb(208, 238, 236)  
}
```

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(208, 238, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 238, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 80.6151, 0.2946, 0.3311 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(208, 238, 236) }
```

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

```
.border{ border-color:rgb(208, 238, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 238, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 238, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 238, 236);  
box-shadow:4px 4px 4px 4px rgb(208, 238,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.6151, 0.2946, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 238, 236) }
```

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

```
.background{ background-color: rgb(208,  
238, 236) }
```

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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