

# Converting Colors

$Yxy(80.2507, 0.3004, 0.3225)$

Have a look what the booklet for  
Yxy(80.2507, 0.3004, 0.3225)  
contains.

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# Color

**Yxy(80.5091, 0.3005, 0.3227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDEAF0
RGB	221, 234, 240
RGB Percent	87%, 92%, 94%
CMY	0.1333, 0.0823, 0.0589
CMYK	0.08, 0.02, 0.00, 0.06
HSL	199°, 39%, 90%
HSV	199°, 8%, 94%
XYZ	74.9705, 80.5091, 94.0063
YIQ	230.7970, -9.6740, -0.8900

# Conversions

## Conversions Part 2

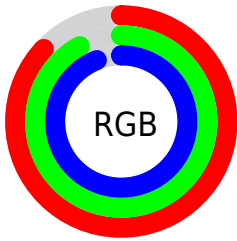
Format	Color
R <sub>Y</sub> B	221, 229, 240
Decimal	14543600
CIE Lab	91.91, -3.16, -4.39
CIE LCh	92, 5.408, 234.189
Yxy	80.5091, 0.3005, 0.3227
Android (android.graphics.Color)	4292733680 (0xFFDDEAF0)
YUV	230.7970, 4.5371, -8.5920
Hunter-Lab	89.7269, -7.8779, 0.6910

# Details

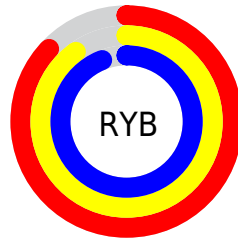
The Yxy color **80.5091, 0.3005, 0.3227** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.6756, 0.3257, 0.3352**, and the grayscale version is **79.7264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4085, 0.2978, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **72.7971, 0.2850, 0.3140**, and if you desaturate by 10%, it is **88.9500, 0.3159, 0.3306**.

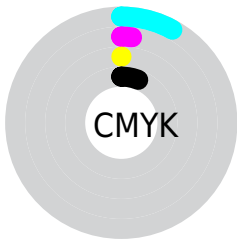
# Distribution



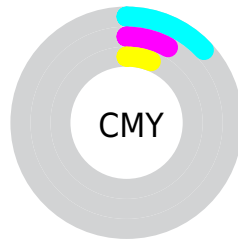
- Red (87%)
- Green (92%)
- Blue (94%)



- Red (87%)
- Yellow (90%)
- Blue (94%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (13%)
- Magenta (8%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5091, 0.3005, 0.3227 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 80.5091, 0.3005, 0.3227 by changing the saturation by 10% instead.



■ 80.5091, 0.3005,  
0.3227

■ 80.5091, 0.3005,  
0.3227

496.6469, 0.3060,  
0.3256

■ 60.1374, 0.2993,  
0.3220

134.0813, 0.3024,  
0.3237

■ 43.5294, 0.2977,  
0.3212

168.0505, 0.3031,  
0.3241

■ 30.3007, 0.2958,  
0.3202

207.3210, 0.3038,  
0.3244

■ 20.0669, 0.2934,  
0.3189

252.2772, 0.3044,  
0.3247

■ 12.4437, 0.2901,  
0.3171

303.3035, 0.3048,  
0.3250

■ 7.0466, 0.2854,  
0.3146

360.7843, 0.3053,

■ 3.4913, 0.2784,

0.3252

0.3106

425.1040, 0.3057,  
0.3254

■ 1.3933, 0.2665,  
0.3038

■ 0.2118, 0.1421,  
0.2426

■ 80.5091, 0.3005,  
0.3227

■ 80.5091, 0.3005,  
0.3227

■ 72.7971, 0.2850,  
0.3140

■ 88.9500, 0.3159,  
0.3306

■ 65.7788, 0.2696,  
0.3044

■ 95.3778, 0.3219,  
0.3379

■ 59.4309, 0.2548,  
0.2941

■ 99.0698, 0.3215,  
0.3435

■ 53.7249, 0.2409,  
0.2830

■ 48.6295, 0.2282,  
0.2714

■ 44.1104, 0.2171,  
0.2595

■ 40.1288, 0.2079,  
0.2473

■ 36.6392, 0.2008,  
0.2352

■ 33.5808, 0.1957,  
0.2234

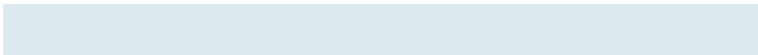
# Harmonies

## Analogous

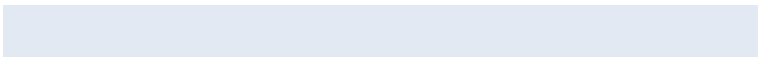
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5091, 0.3019, 0.3280



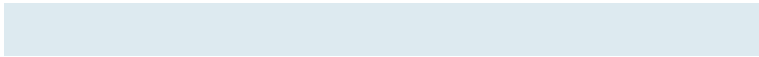
80.5091, 0.3005, 0.3227



80.5091, 0.3023, 0.3192

# Triad

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



80.5091, 0.3005, 0.3227



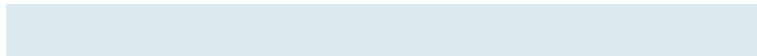
80.5091, 0.3192, 0.3244



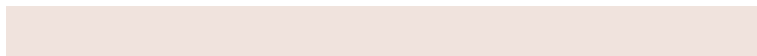
80.5091, 0.3185, 0.3400

# Complementary

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



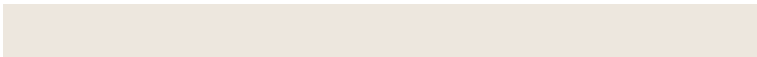
80.5091, 0.3005, 0.3227



78.6756, 0.3257, 0.3352

# Split Complementary

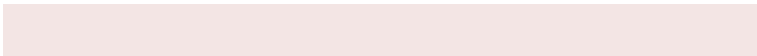
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5091, 0.3232, 0.3389



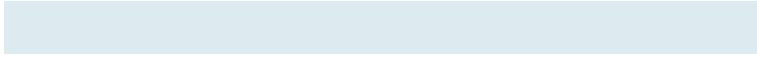
80.5091, 0.3005, 0.3227



80.5091, 0.3236, 0.3299

# Square

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



80.5091, 0.3005, 0.3227



80.5091, 0.3130, 0.3202



80.5091, 0.3251, 0.3352



80.5091, 0.3123, 0.3381



# Rectangle

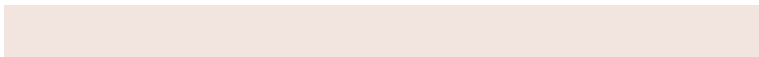
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



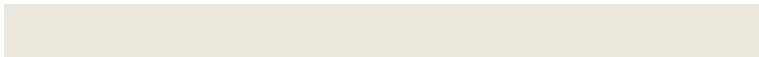
80.5091, 0.3005, 0.3227



80.5091, 0.3051, 0.3183



80.5091, 0.3251, 0.3352



80.5091, 0.3203, 0.3399

# Sweetspot

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



80.5125, 0.3005, 0.3227



98.0247, 0.3096, 0.3275



83.2107, 0.3083, 0.3430



21.0021, 0.3098, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

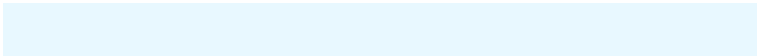


# Same Dimension

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



80.5125, 0.3005, 0.3227



91.3775, 0.2987, 0.3218



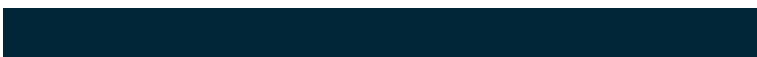
75.4127, 0.3005, 0.3129



17.0400, 0.2981, 0.3214



18.3040, 0.1952, 0.2228



1.7001, 0.1996, 0.2384



# Inverse Universe

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



76.1845, 0.3176, 0.3157



85.7644, 0.3183, 0.3137



83.8395, 0.3248, 0.3446



15.9417, 0.3186, 0.3130



11.6411, 0.4203, 0.2089

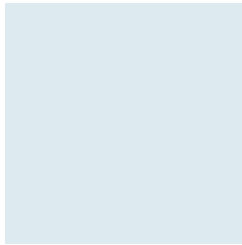


0.9863, 0.4039, 0.1999



# Previews

## White Background



This preview shows how the Yxy color 80.5091, 0.3005, 0.3227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

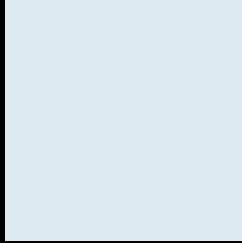
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.5091, 0.3005, 0.3227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

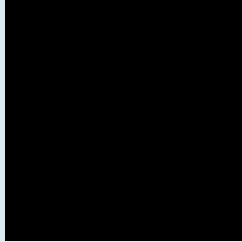
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

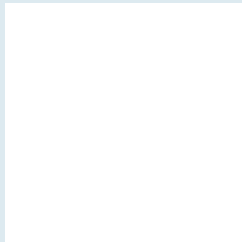
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.5091, 0.3005, 0.3227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.5091, 0.3005, 0.3227.

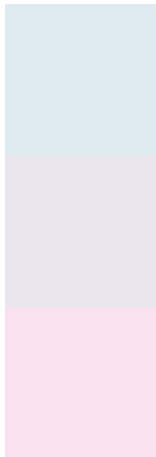


This preview shows how white text looks on a background with the Yxy color 80.5091, 0.3005, 0.3227.

# 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**

80.5091, 0.3005, 0.3227

**Protanopia**

80.2591, 0.3104, 0.3208

**Deuteranopia**

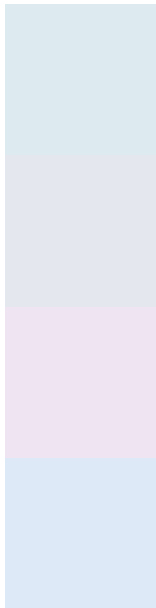
80.4010, 0.3184, 0.3121



## Tritanopia

80.3662, 0.2952, 0.3093

# Trichromacy



## Original Color

80.5091, 0.3005, 0.3227

## Protanomaly

80.0418, 0.3064, 0.3207

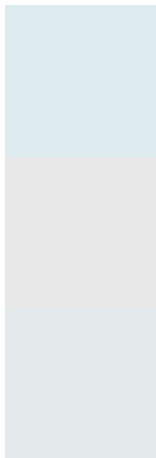
## Deuteranomaly

80.1884, 0.3120, 0.3158

## Tritanomaly

80.5228, 0.2970, 0.3144

# Monochromacy



## Original Color

80.5091, 0.3005, 0.3227

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.9846, 0.3081, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.5091, 0.3005, 0.3227 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(221, 234, 240)` looks like.

```
.text, #text, p{  
    color:rgb(221, 234, 240)  
}
```

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(221, 234, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 80.5091, 0.3005, 0.3227 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(221, 234, 240) }
```

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

```
.border{ border-color:rgb(221, 234, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 234, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 240);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.5091, 0.3005, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 240) }
```

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

```
.background{ background-color: rgb(221,  
234, 240) }
```

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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