

# Converting Colors

Yxy(82.0132, 0.3004, 0.3269)

Have a look what the booklet for  
Yxy(82.0132, 0.3004, 0.3269)  
contains.

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# Color

**Yxy(82.0160, 0.3004, 0.3269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCEDEF
RGB	220, 237, 239
RGB Percent	86%, 93%, 94%
CMY	0.1374, 0.0705, 0.0628
CMYK	0.08, 0.01, 0.00, 0.06
HSL	186°, 37%, 90%
HSV	186°, 8%, 94%
XYZ	75.3674, 82.0160, 93.5068
YIQ	232.1450, -10.7740, -2.9820

# Conversions

## Conversions Part 2

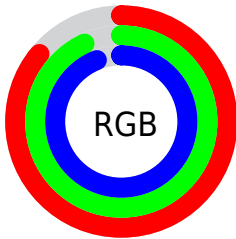
Format	Color
R <sub>Y</sub> B	220, 229, 239
Decimal	14478831
CIE Lab	92.58, -5.23, -2.89
CIE LCh	93, 5.981, 208.935
Yxy	82.0160, 0.3004, 0.3269
Android (android.graphics.Color)	4292668911 (0xFFDCEDEF)
YUV	232.1450, 3.3795, -10.6512
Hunter-Lab	90.5627, -9.9347, 2.1764

# Details

The Yxy color **82.0160, 0.3004, 0.3269** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.7150, 0.3262, 0.3311**, and the grayscale version is **80.7872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4660, 0.2978, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **77.1339, 0.2854, 0.3241**, and if you desaturate by 10%, it is **87.4577, 0.3159, 0.3295**.

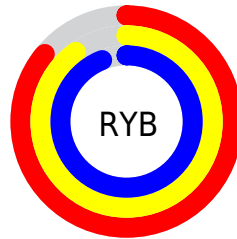
# Distribution



Red (86%)

Green (93%)

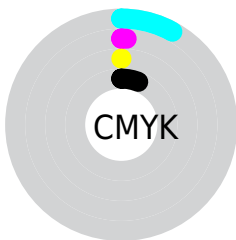
Blue (94%)



Red (86%)

Yellow (90%)

Blue (94%)

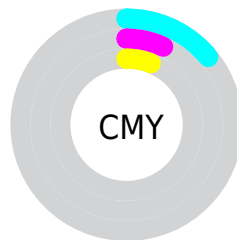


Cyan (8%)

Magenta (1%)

Yellow (0%)

Black (6%)



Cyan (14%)

Magenta (7%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0160, 0.3004, 0.3269 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 82.0160, 0.3004, 0.3269 by changing the saturation by 10% instead.



■ 82.0160, 0.3004,  
0.3269

■ 82.0160, 0.3004,  
0.3269

501.7012, 0.3060,  
0.3279

■ 61.3787, 0.2992,  
0.3267

136.1964, 0.3023,  
0.3272

■ 44.5309, 0.2976,  
0.3264

170.5084, 0.3031,  
0.3274

■ 31.0881, 0.2957,  
0.3260

210.1474, 0.3037,  
0.3275

■ 20.6659, 0.2933,  
0.3256

255.4977, 0.3043,  
0.3276

■ 12.8800, 0.2900,  
0.3249

306.9439, 0.3048,  
0.3277

■ 7.3460, 0.2854,  
0.3240

364.8703, 0.3052,

■ 3.6794, 0.2785,

0.3278

429.6613, 0.3056,  
0.3278

0.3225

■ 1.4959, 0.2669,  
0.3198

■ 0.2858, 0.1526,  
0.3030

■ 82.0160, 0.3004,  
0.3269

■ 82.0160, 0.3004,  
0.3269

■ 77.1339, 0.2854,  
0.3241

■ 87.4577, 0.3159,  
0.3295

■ 72.7785, 0.2713,  
0.3210

■ 90.9700, 0.3231,  
0.3319

■ 68.9289, 0.2582,  
0.3177

■ 92.4496, 0.3229,  
0.3343

■ 65.5592, 0.2466,  
0.3143

■ 93.9490, 0.3227,  
0.3367

62.6406, 0.2367,  
0.3107

95.4684, 0.3225,  
0.3391

60.1416, 0.2287,  
0.3071

97.0080, 0.3223,  
0.3414

58.0260, 0.2226,  
0.3035

98.5676, 0.3221,  
0.3438

56.2514, 0.2184,  
0.2999

99.0111, 0.3220,  
0.3444

54.7594, 0.2159,  
0.2964

# Harmonies

## Analogous

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



82.0160, 0.3047, 0.3332



82.0160, 0.3004, 0.3269



82.0160, 0.2994, 0.3213

# Triad

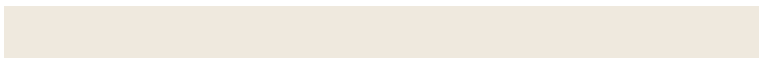
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0160, 0.3004, 0.3269



82.0160, 0.3142, 0.3199



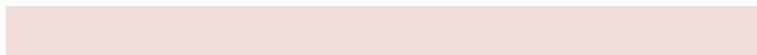
82.0160, 0.3236, 0.3403

# Complementary

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



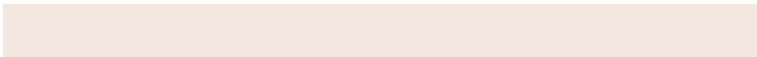
82.0160, 0.3004, 0.3269



75.7150, 0.3262, 0.3311

# 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.



82.0160, 0.3263, 0.3366



82.0160, 0.3004, 0.3269



82.0160, 0.3208, 0.3249

# Square

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



82.0160, 0.3004, 0.3269



82.0160, 0.3073, 0.3174



82.0160, 0.3252, 0.3309



82.0160, 0.3181, 0.3410

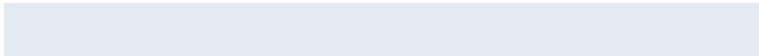


# Rectangle

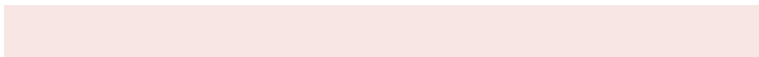
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



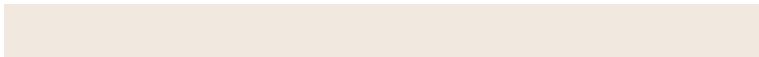
82.0160, 0.3004, 0.3269



82.0160, 0.3007, 0.3187



82.0160, 0.3252, 0.3309



82.0160, 0.3249, 0.3393

# Sweetspot

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



82.0195, 0.3004, 0.3269



98.7098, 0.3096, 0.3285



82.1996, 0.3106, 0.3472



21.1415, 0.3097, 0.3285



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

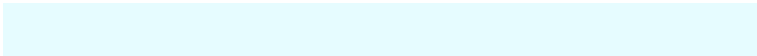


# Same Dimension

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



82.0195, 0.3004, 0.3269



93.8108, 0.2972, 0.3263



76.6898, 0.3004, 0.3169



17.6335, 0.2981, 0.3265



30.2209, 0.2156, 0.2962



2.5938, 0.2169, 0.3009



# Inverse Universe

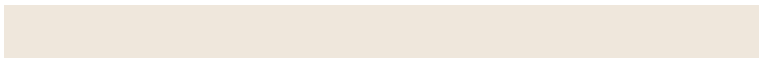
The Inverse Universe completely reimagines the original color for something new.



75.6277, 0.3149, 0.3115



84.6272, 0.3155, 0.3068



80.8745, 0.3253, 0.3408



16.0016, 0.3154, 0.3081



12.8442, 0.3488, 0.1695

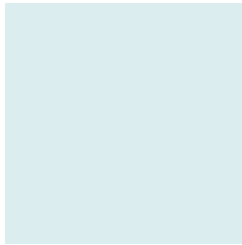


1.0766, 0.3446, 0.1672



# Previews

## White Background



This preview shows how the Yxy color 82.0160, 0.3004, 0.3269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

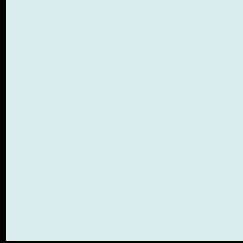
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0160, 0.3004, 0.3269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

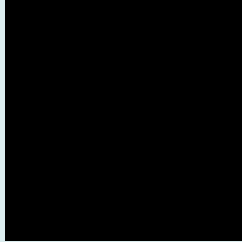
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

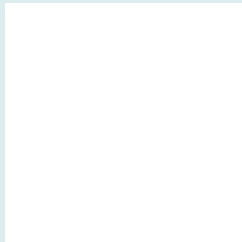
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0160, 0.3004, 0.3269**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0160, 0.3004, 0.3269.

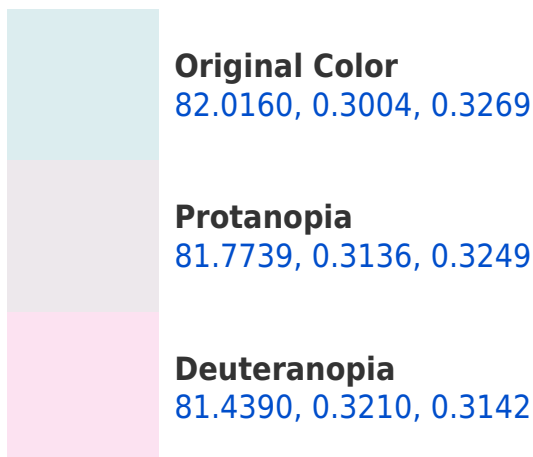


This preview shows how white text looks on a background with the Yxy color 82.0160, 0.3004, 0.3269.

# 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

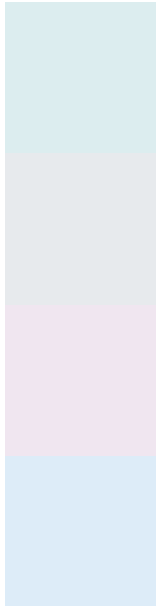




## Tritanopia

82.0381, 0.2935, 0.3104

# Trichromacy



**Original Color**

82.0160, 0.3004, 0.3269

**Protanomaly**

81.9490, 0.3089, 0.3259

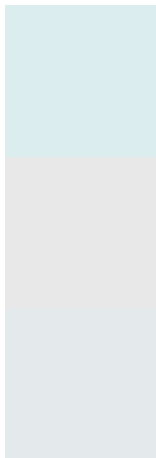
**Deuteranomaly**

81.4102, 0.3132, 0.3189

**Tritanomaly**

82.1404, 0.2958, 0.3165

# Monochromacy



**Original Color**

82.0160, 0.3004, 0.3269

**Achromatopsia**

80.6952, 0.3127, 0.3290

**Achromatomaly**

81.3378, 0.3081, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0160, 0.3004, 0.3269 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(220, 237, 239)` looks like.

```
.text, #text, p{  
    color:rgb(220, 237, 239)  
}
```

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(220, 237, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 237, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0160, 0.3004, 0.3269 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(220, 237, 239) }
```

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

```
.border{ border-color:rgb(220, 237, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 237, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 237, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 237, 239);  
box-shadow:4px 4px 4px 4px rgb(220, 237,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0160, 0.3004, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 237, 239) }
```

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

```
.background{ background-color: rgb(220,  
237, 239) }
```

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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