

# Converting Colors

Yxy(82.0518, 0.2960, 0.3161)

Have a look what the booklet for  
Yxy(82.0518, 0.2960, 0.3161)  
contains.

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# Color

**Yxy(82.1404, 0.2958, 0.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDEC F8
RGB	221, 236, 248
RGB Percent	87%, 93%, 97%
CMY	0.1331, 0.0745, 0.0274
CMYK	0.11, 0.05, 0.00, 0.03
HSL	207°, 66%, 92%
HSV	207°, 11%, 97%
XYZ	76.7682, 82.1404, 100.6187
YIQ	232.8830, -12.7920, 0.5520

# Conversions

## Conversions Part 2

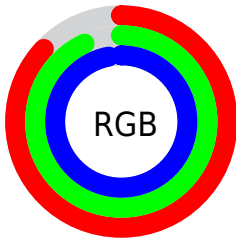
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 231, 248
Decimal	14544120
CIE Lab	92.64, -2.62, -7.50
CIE LCh	93, 7.946, 250.739
Yxy	82.1404, 0.2958, 0.3165
Android (android.graphics.Color)	4292734200 (0xFFDDEC F8)
YUV	232.8830, 7.4527, -10.4214
Hunter-Lab	90.6313, -7.4086, -2.3817

# Details

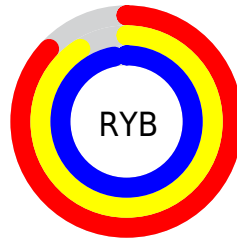
The Yxy color **82.1404, 0.2958, 0.3165** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4922, 0.3307, 0.3412**, and the grayscale version is **81.3504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5553, 0.2919, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **72.3652, 0.2798, 0.3037**, and if you desaturate by 10%, it is **92.8914, 0.3114, 0.3281**.

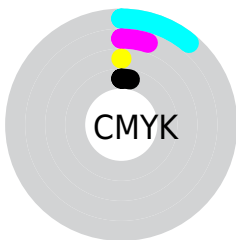
# Distribution



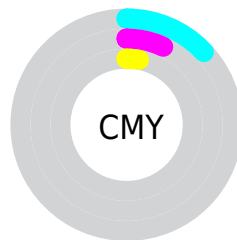
- Red (87%)
- Green (93%)
- Blue (97%)



- Red (87%)
- Yellow (91%)
- Blue (97%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (13%)
- Magenta (7%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1404, 0.2958, 0.3165 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 82.1404, 0.2958, 0.3165 by changing the saturation by 10% instead.



82.1404, 0.2958,  
0.3165

82.1404, 0.2958,  
0.3165

502.1172, 0.3034,  
0.3222

61.4813, 0.2941,  
0.3152

136.3709, 0.2984,  
0.3185

44.6137, 0.2920,  
0.3137

170.7110, 0.2994,  
0.3192

31.1533, 0.2894,  
0.3117

210.3803, 0.3003,  
0.3199

20.7156, 0.2861,  
0.3091

255.7630, 0.3011,  
0.3205

12.9163, 0.2816,  
0.3057

307.2437, 0.3018,  
0.3210

7.3709, 0.2754,  
0.3009

365.2067, 0.3024,

3.6951, 0.2661,

0.3214

0.2936

430.0364, 0.3029,  
0.3218

■ 1.5045, 0.2507,  
0.2813

■ 0.2919, 0.1584,  
0.2166

■ 82.1404, 0.2958,  
0.3165

■ 82.1404, 0.2958,  
0.3165

■ 72.3652, 0.2798,  
0.3037

■ 92.8914, 0.3114,  
0.3281

■ 63.5232, 0.2637,  
0.2895

■ 99.5577, 0.3168,  
0.3357

■ 55.5836, 0.2478,  
0.2742

■ 48.5098, 0.2326,  
0.2579

■ 42.2619, 0.2184,  
0.2407

■ 36.7961, 0.2059,  
0.2232

■ 32.0629, 0.1954,  
0.2056

■ 28.0045, 0.1872,  
0.1885

■ 24.8092, 0.1815,  
0.1735

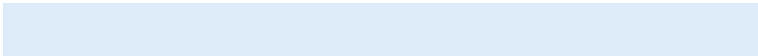
# Harmonies

## Analogous

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



82.1404, 0.2953, 0.3230



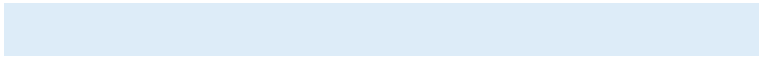
82.1404, 0.2958, 0.3165



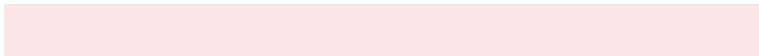
82.1404, 0.3008, 0.3135

# Triad

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



82.1404, 0.2958, 0.3165



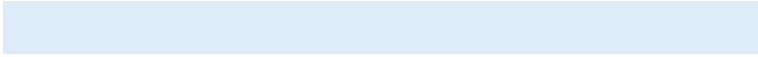
82.1404, 0.3262, 0.3266



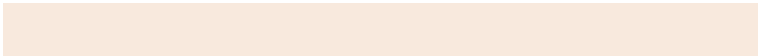
82.1404, 0.3163, 0.3441

# Complementary

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



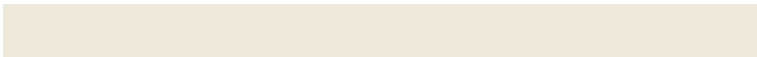
82.1404, 0.2958, 0.3165



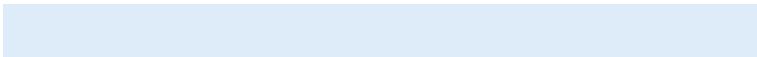
83.4922, 0.3307, 0.3412

# Split Complementary

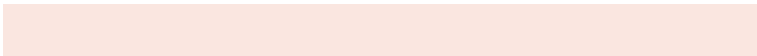
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1404, 0.3247, 0.3449



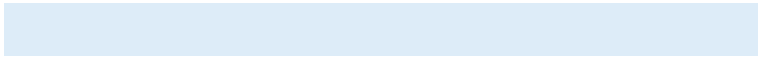
82.1404, 0.2958, 0.3165



82.1404, 0.3305, 0.3346

# Square

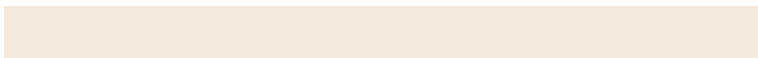
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



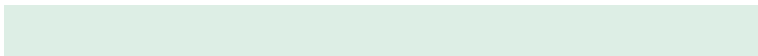
82.1404, 0.2958, 0.3165



82.1404, 0.3183, 0.3193



82.1404, 0.3299, 0.3413



82.1404, 0.3070, 0.3391



# Rectangle

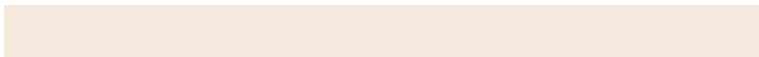
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1404, 0.2958, 0.3165



82.1404, 0.3060, 0.3137



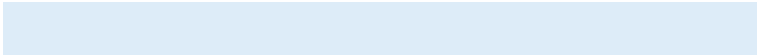
82.1404, 0.3299, 0.3413



82.1404, 0.3193, 0.3448

# Sweetspot

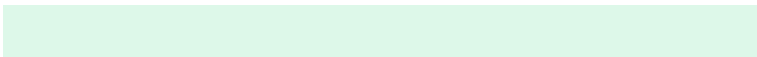
The Sweet Spot groups the original color and five complimentary colors.



82.1438, 0.2958, 0.3165



96.4221, 0.3081, 0.3257



88.3855, 0.3046, 0.3449



20.4371, 0.3069, 0.3248



0.0000, 0.0000, 0.0000

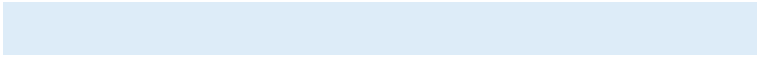


21.4041, 0.3127, 0.3290

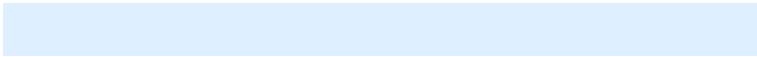


# Same Dimension

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



82.1438, 0.2958, 0.3165



85.1805, 0.2924, 0.3139



74.8494, 0.2956, 0.3026



18.2389, 0.2980, 0.3182



13.6857, 0.1823, 0.1761



1.4791, 0.1878, 0.1959



# Inverse Universe

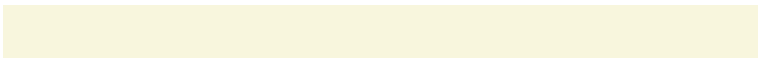
The Inverse Universe completely reimagines the original color for something new.



77.7509, 0.3219, 0.3140



79.7277, 0.3240, 0.3109



91.2188, 0.3292, 0.3541



17.3863, 0.3207, 0.3159



11.7925, 0.4732, 0.2381

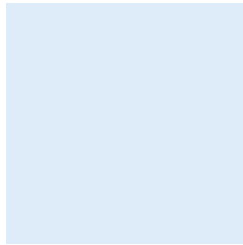


1.1135, 0.4500, 0.2252



# Previews

## White Background



This preview shows how the Yxy color 82.1404, 0.2958, 0.3165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

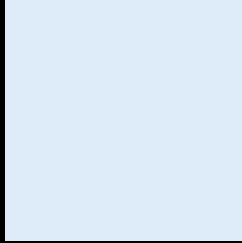
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1404, 0.2958, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

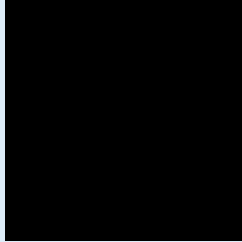
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

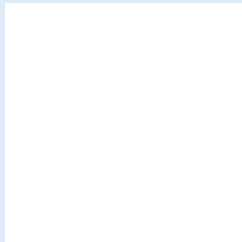
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.1404, 0.2958, 0.3165**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1404, 0.2958, 0.3165.

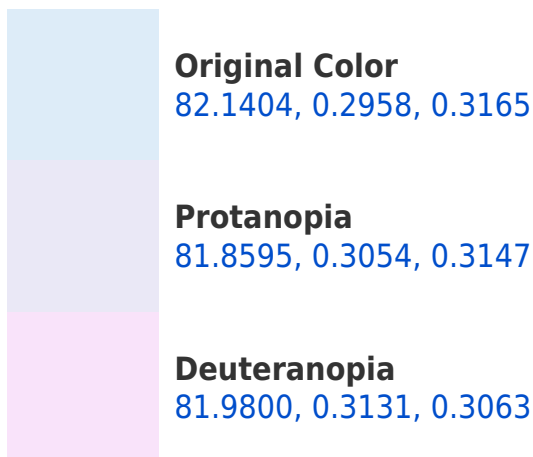


This preview shows how white text looks on a background with the Yxy color 82.1404, 0.2958, 0.3165.

# 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

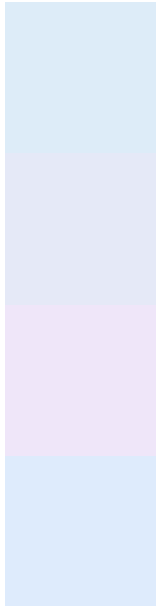




## Tritanopia

82.1020, 0.2929, 0.3094

# Trichromacy



## Original Color

82.1404, 0.2958, 0.3165

## Protanomaly

81.6512, 0.3015, 0.3146

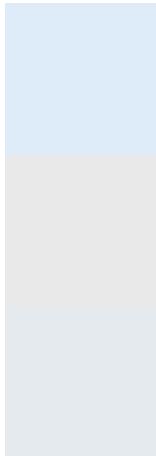
## Deuteranomaly

81.7839, 0.3069, 0.3099

## Tritanomaly

81.9745, 0.2941, 0.3114

# Monochromacy



## Original Color

82.1404, 0.2958, 0.3165

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.6767, 0.3069, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1404, 0.2958, 0.3165 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, 236, 248)` looks like.

```
.text, #text, p{  
    color:rgb(221, 236, 248)  
}
```

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, 236, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 236, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1404, 0.2958, 0.3165 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, 236, 248) }
```

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

```
.border{ border-color:rgb(221, 236, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 236, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 236, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 236, 248);  
box-shadow:4px 4px 4px 4px rgb(221, 236,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1404, 0.2958, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 236, 248) }
```

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

```
.background{ background-color: rgb(221,  
236, 248) }
```

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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