

Converting Colors

$Yxy(81.7359, 0.2933, 0.3154)$

Have a look what the booklet for
Yxy(81.7359, 0.2933, 0.3154)
contains.

Yxy(81.7359, 0.2933, 0.3154)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.7359, 0.2933, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	DAECF9
RGB	218, 236, 249
RGB Percent	85%, 93%, 98%
CMY	0.1451, 0.0745, 0.0235
CMYK	0.12, 0.05, 0.00, 0.02
HSL	205°, 72%, 92%
HSV	205°, 12%, 98%
XYZ	76.0087, 81.7359, 101.4054
YIQ	232.1000, -14.9010, 0.2270

Conversions

Conversions Part 2

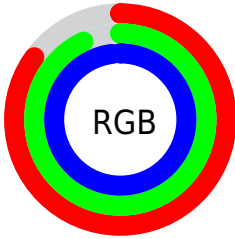
Format	Color
R _Y B	218, 229, 249
Decimal	14347513
CIE Lab	92.46, -3.39, -8.32
CIE LCh	92, 8.981, 247.809
Yxy	81.7359, 0.2933, 0.3154
Android (android.graphics.Color)	4292537593 (0xFFDAECF9)
YUV	232.1000, 8.3317, -12.3657
Hunter-Lab	90.4079, -8.1434, -3.2167

Details

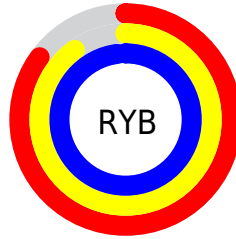
The Yxy color **81.7359, 0.2933, 0.3154** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.3619, 0.3337, 0.3422**, and the grayscale version is **80.7220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2793, 0.2888, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **72.3438, 0.2774, 0.3031**, and if you desaturate by 10%, it is **92.0634, 0.3089, 0.3265**.

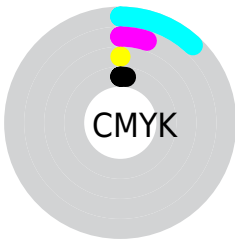
Distribution



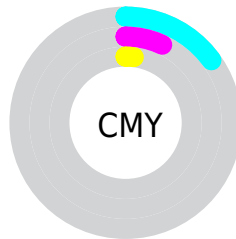
- Red (85%)
- Green (93%)
- Blue (98%)



- Red (85%)
- Yellow (90%)
- Blue (98%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7359, 0.2933, 0.3154 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 81.7359, 0.2933, 0.3154 by changing the saturation by 10% instead.

81.7359, 0.2933,
0.3154

81.7359, 0.2933,
0.3154

500.7639, 0.3021,
0.3216

61.1479, 0.2914,
0.3140

135.8036, 0.2963,
0.3175

44.3445, 0.2890,
0.3123

170.0520, 0.2975,
0.3184

30.9414, 0.2860,
0.3101

209.6227, 0.2985,
0.3191

20.5543, 0.2822,
0.3073

254.9001, 0.2994,
0.3197

12.7986, 0.2771,
0.3036

306.2685, 0.3002,
0.3203

7.2900, 0.2699,
0.2983

364.1123, 0.3009,

3.6441, 0.2593,

0.3208

0.2902

428.8160, 0.3015,
0.3212

■ 1.4765, 0.2417,
0.2766

■ 0.2721, 0.1326,
0.2053

■ 81.7359, 0.2933,
0.3154

■ 81.7359, 0.2933,
0.3154

■ 72.3438, 0.2774,
0.3031

■ 92.0634, 0.3089,
0.3265

■ 63.8452, 0.2615,
0.2897

■ 99.6206, 0.3162,
0.3347

■ 56.2100, 0.2459,
0.2752

■ 49.4017, 0.2311,
0.2597

■ 43.3811, 0.2176,
0.2436

■ 38.1045, 0.2058,
0.2271

■ 33.5222, 0.1960,
0.2106

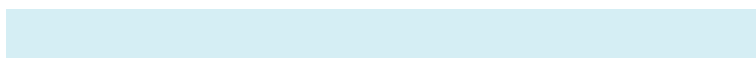
■ 29.5757, 0.1885,
0.1945

■ 26.9566, 0.1841,
0.1827

Harmonies

Analogous

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



81.7359, 0.2933, 0.3230



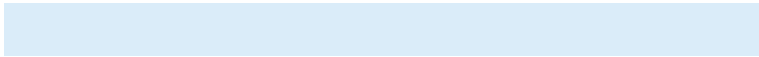
81.7359, 0.2933, 0.3154



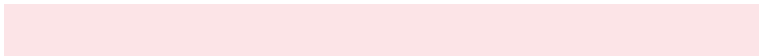
81.7359, 0.2984, 0.3116

Triad

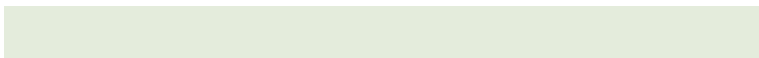
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7359, 0.2933, 0.3154



81.7359, 0.3272, 0.3254



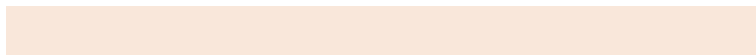
81.7359, 0.3177, 0.3464

Complementary

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



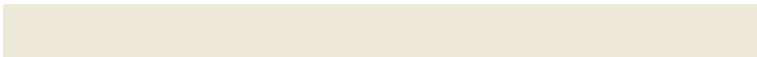
81.7359, 0.2933, 0.3154



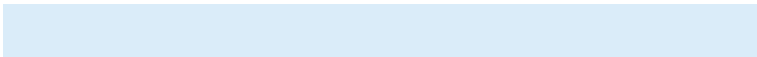
82.3619, 0.3337, 0.3422

Split Complementary

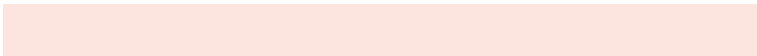
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7359, 0.3270, 0.3468



81.7359, 0.2933, 0.3154



81.7359, 0.3326, 0.3345

Square

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



81.7359, 0.2933, 0.3154



81.7359, 0.3180, 0.3173



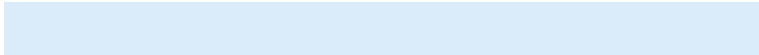
81.7359, 0.3325, 0.3423



81.7359, 0.3073, 0.3411

Rectangle

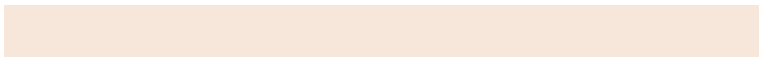
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7359, 0.2933, 0.3154



81.7359, 0.3041, 0.3115



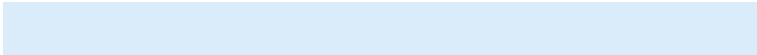
81.7359, 0.3325, 0.3423



81.7359, 0.3211, 0.3471

Sweetspot

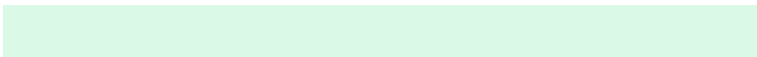
The Sweet Spot groups the original color and five complimentary colors.



81.7393, 0.2933, 0.3154



95.4169, 0.3065, 0.3248



88.4319, 0.3037, 0.3479



20.2425, 0.3054, 0.3240



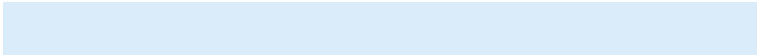
0.0000, 0.0000, 0.0000



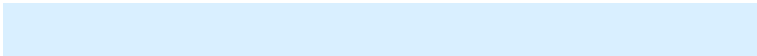
21.4041, 0.3127, 0.3290

Same Dimension

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



81.7393, 0.2933, 0.3154



83.6399, 0.2892, 0.3124



73.2385, 0.2929, 0.2989



18.3170, 0.2980, 0.3188



14.7147, 0.1848, 0.1852



1.5724, 0.1900, 0.2040

Inverse Universe

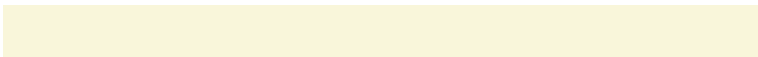
The Inverse Universe completely reimagines the original color for something new.



76.3409, 0.3229, 0.3109



76.9862, 0.3253, 0.3070



91.3791, 0.3317, 0.3574



17.3942, 0.3203, 0.3153



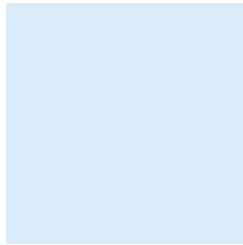
11.8964, 0.4623, 0.2320



1.1230, 0.4407, 0.2202

Previews

White Background



This preview shows how the Yxy color 81.7359, 0.2933, 0.3154 looks on a white background.

Color Contrast Check

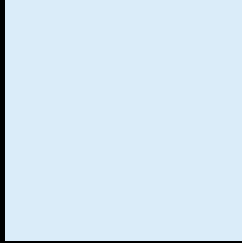
Large Text (above 18pt) WCAG AA × Fail

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 81.7359, 0.2933, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

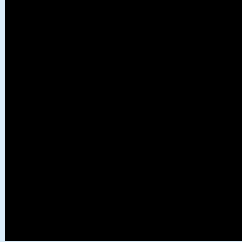
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

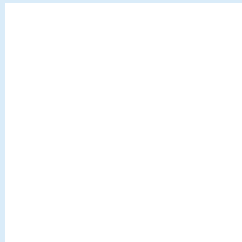
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7359, 0.2933, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 81.7359, 0.2933, 0.3154.

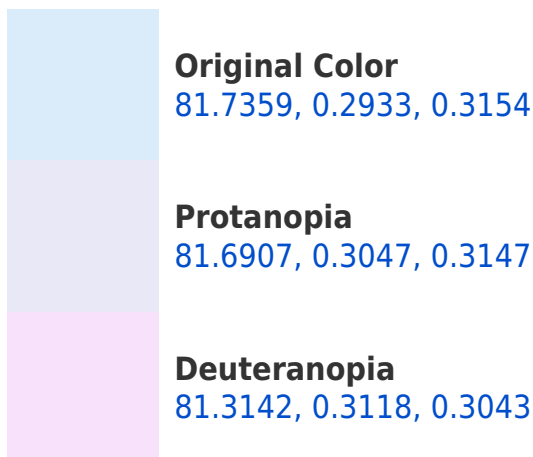


This preview shows how white text looks on a background with the Yxy color 81.7359, 0.2933, 0.3154.

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

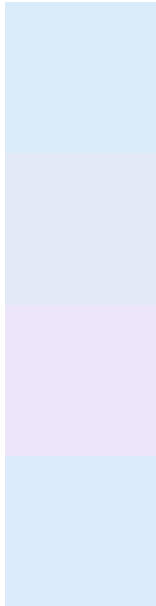




Tritanopia

81.6325, 0.2910, 0.3093

Trichromacy



Original Color

81.7359, 0.2933, 0.3154

Protanomaly

81.4872, 0.3008, 0.3146

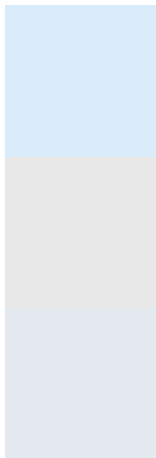
Deuteranomaly

81.5003, 0.3049, 0.3088

Tritanomaly

81.5050, 0.2922, 0.3113

Monochromacy



Original Color

81.7359, 0.2933, 0.3154

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7818, 0.3056, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7359, 0.2933, 0.3154 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(218, 236, 249)` looks like.

```
.text, #text, p{  
    color:rgb(218, 236, 249)  
}
```

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(218, 236, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 236, 249) }
```

Border

The CSS property to change the border of an element to Yxy 81.7359, 0.2933, 0.3154 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(218, 236, 249) }
```

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

```
.border{ border-color:rgb(218, 236, 249) }
```

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

Here you see how a box with a 4 pixel rgb(218, 236, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 236, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 236, 249);  
box-shadow:4px 4px 4px 4px rgb(218, 236,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7359, 0.2933, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 236, 249) }
```

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

```
.background{ background-color: rgb(218,  
236, 249) }
```

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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