

Converting Colors

Yxy(82.5943, 0.3175, 0.3571)

Have a look what the booklet for
Yxy(82.5943, 0.3175, 0.3571)
contains.

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Color

Yxy(82.8122, 0.3180, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	DFF0D5
RGB	223, 240, 213
RGB Percent	87%, 94%, 84%
CMY	0.1255, 0.0588, 0.1648
CMYK	0.07, 0.00, 0.11, 0.06
HSL	98°, 47%, 89%
HSV	98°, 11%, 94%
XYZ	73.6006, 82.8122, 75.0355
YIQ	231.8390, -1.4650, -12.0010

Conversions

Conversions Part 2

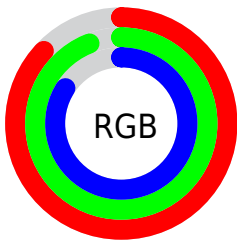
Format	Color
R_{YB}	213, 240, 230
Decimal	14676181
CIE _{Lab}	92.93, -10.39, 11.16
CIE _{LCh}	93, 15.245, 132.960
Yxy	82.8122, 0.3180, 0.3578
Android (android.graphics.Color)	4292866261 (0xFFDFF0D5)
YUV	231.8390, -9.2876, -7.7518
Hunter-Lab	91.0012, -14.8837, 14.8130

Details

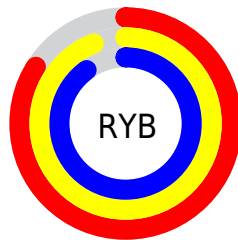
The Yxy color **82.8122, 0.3180, 0.3578** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.6832, 0.3068, 0.3006**, and the grayscale version is **80.6426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0744, 0.3195, 0.3650** is the 20% darker color. If you saturate the color by 10%, you get **79.3949, 0.3225, 0.3860**, and if you desaturate by 10%, it is **86.6306, 0.3133, 0.3321**.

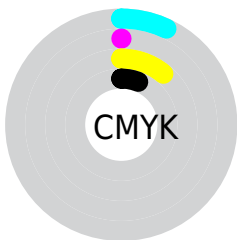
Distribution



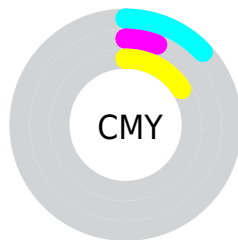
- Red (87%)
- Green (94%)
- Blue (84%)



- Red (84%)
- Yellow (94%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)




- Cyan (13%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8122, 0.3180, 0.3578 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 82.8122, 0.3180, 0.3578 by changing the saturation by 10% instead.

 82.8122, 0.3180,
0.3578

 82.8122, 0.3180,
0.3578


504.3604, 0.3157,
0.3445

 62.0352, 0.3185,
0.3608

137.3124, 0.3172,
0.3532

 45.0612, 0.3191,
0.3645


171.8044, 0.3169,
0.3514

 31.5056, 0.3198,
0.3692


211.6369, 0.3167,
0.3499

 20.9842, 0.3206,
0.3753

257.1943, 0.3164,
0.3485

 13.1124, 0.3217,
0.3836

308.8609, 0.3162,
0.3474

 7.5060, 0.3231,
0.3955

367.0213, 0.3160,

 3.7805, 0.3248,

0.3463

0.4139

432.0596, 0.3159,
0.3454

■ 1.5516, 0.3277,
0.4476

■ 0.3246, 0.1447,
0.8553

■ 82.8122, 0.3180,
0.3578

■ 82.8122, 0.3180,
0.3578

■ 79.3949, 0.3225,
0.3860

■ 86.6306, 0.3133,
0.3321

■ 76.3546, 0.3266,
0.4163

■ 90.4614, 0.3122,
0.3146

■ 73.6805, 0.3299,
0.4479

■ 90.8036, 0.3134,
0.3146

■ 71.3574, 0.3321,
0.4797

■ 69.3689, 0.3329,
0.5101

■ 67.6971, 0.3319,
0.5372

■ 66.3218, 0.3291,
0.5594

■ 65.2200, 0.3246,
0.5752

■ 64.4534, 0.3199,
0.5842

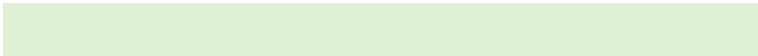
Harmonies

Analogous

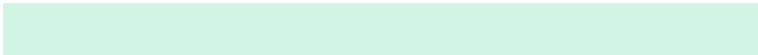
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8122, 0.3345, 0.3597



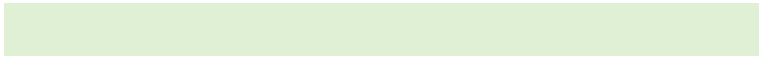
82.8122, 0.3180, 0.3578



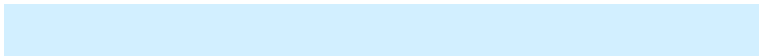
82.8122, 0.3005, 0.3475

Triad

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



82.8122, 0.3180, 0.3578



82.8122, 0.2811, 0.3043



82.8122, 0.3395, 0.3253

Complementary

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



82.8122, 0.3180, 0.3578



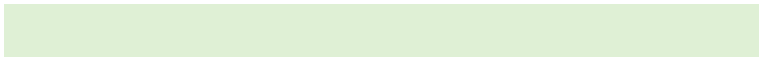
70.6832, 0.3068, 0.3006

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.



82.8122, 0.3245, 0.3115



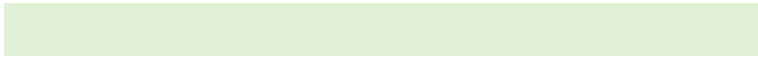
82.8122, 0.3180, 0.3578



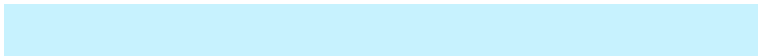
82.8122, 0.2909, 0.2994

Square

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



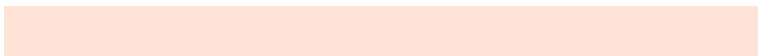
82.8122, 0.3180, 0.3578



82.8122, 0.2795, 0.3161



82.8122, 0.3067, 0.3022



82.8122, 0.3471, 0.3404

Rectangle

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



82.8122, 0.3180, 0.3578



82.8122, 0.2905, 0.3374



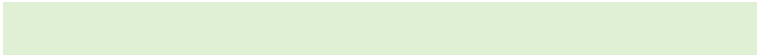
82.8122, 0.3067, 0.3022



82.8122, 0.3351, 0.3204

Sweetspot

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



82.8158, 0.3180, 0.3578



98.6163, 0.3141, 0.3364



79.7238, 0.3308, 0.3464



21.0303, 0.3145, 0.3384



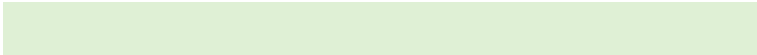
0.0000, 0.0000, 0.0000



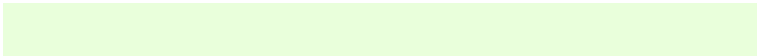
21.4041, 0.3127, 0.3290

Same Dimension

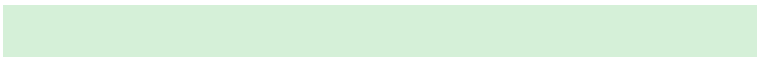
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8158, 0.3180, 0.3578



93.8993, 0.3193, 0.3654



81.4298, 0.3094, 0.3549



17.9422, 0.3172, 0.3530



35.3503, 0.3210, 0.5833



2.9956, 0.3312, 0.5752

Inverse Universe

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



70.6832, 0.3068, 0.3006



76.8716, 0.3052, 0.2933



72.2060, 0.3162, 0.3044



15.7211, 0.3078, 0.3053



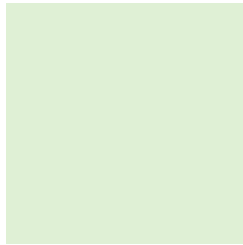
7.1177, 0.2296, 0.1039



0.6485, 0.2416, 0.1105

Previews

White Background



This preview shows how the Yxy color 82.8122, 0.3180, 0.3578 looks on a white background.

Color Contrast Check

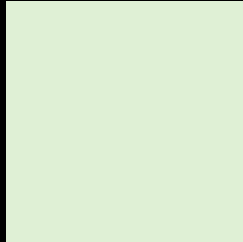
Large Text (above 18pt) WCAG AA × Fail

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 82.8122, 0.3180, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

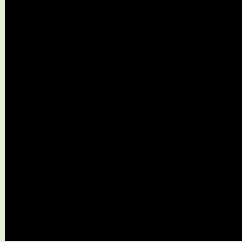
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

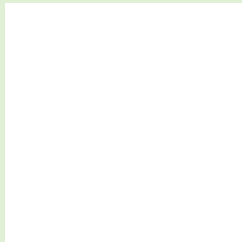
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8122, 0.3180, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 82.8122, 0.3180, 0.3578.

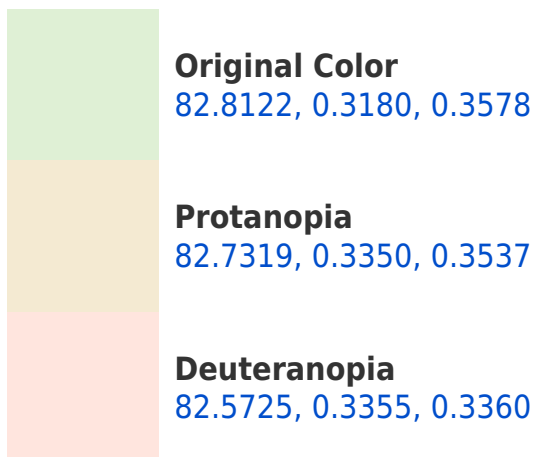


This preview shows how white text looks on a background with the Yxy color 82.8122, 0.3180, 0.3578.

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

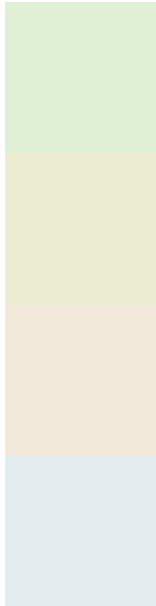




Tritanopia

82.5955, 0.2979, 0.3096

Trichromacy



Original Color

82.8122, 0.3180, 0.3578

Protanomaly

82.5269, 0.3285, 0.3551

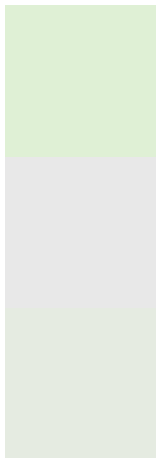
Deuteranomaly

82.4470, 0.3285, 0.3434

Tritanomaly

82.4948, 0.3056, 0.3269

Monochromacy



Original Color

82.8122, 0.3180, 0.3578

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5109, 0.3149, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8122, 0.3180, 0.3578 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(223, 240, 213)` looks like.

```
.text, #text, p{  
    color:rgb(223, 240, 213)  
}
```

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(223, 240, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 240, 213) }
```

Border

The CSS property to change the border of an element to Yxy 82.8122, 0.3180, 0.3578 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(223, 240, 213) }
```

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

```
.border{ border-color:rgb(223, 240, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 240, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 240, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 240, 213);  
box-shadow:4px 4px 4px 4px rgb(223, 240,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8122, 0.3180, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 240, 213) }
```

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

```
.background{ background-color: rgb(223,  
240, 213) }
```

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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