

Converting Colors

$Yxy(82.1250, 0.3118, 0.3493)$

Have a look what the booklet for
Yxy(82.1250, 0.3118, 0.3493)
contains.

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Color

Yxy(82.1160, 0.3118, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	DCEFDC
RGB	220, 239, 220
RGB Percent	86%, 94%, 86%
CMY	0.1372, 0.0627, 0.1374
CMYK	0.08, 0.00, 0.08, 0.06
HSL	120°, 37%, 90%
HSV	120°, 8%, 94%
XYZ	73.3002, 82.1160, 79.6711
YIQ	231.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

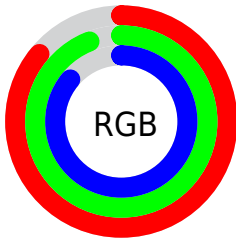
Format	Color
R _Y B	220, 239, 239
Decimal	14479324
CIE Lab	92.63, -9.69, 7.06
CIE LCh	93, 11.995, 143.925
Yxy	82.1160, 0.3118, 0.3493
Android (android.graphics.Color)	4292669404 (0xFFDCEFDC)
YUV	231.1530, -5.4984, -9.7812
Hunter-Lab	90.6179, -14.1938, 11.3048

Details

The Yxy color **82.1160, 0.3118, 0.3493** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.7420, 0.3136, 0.3095**, and the grayscale version is **80.0782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5829, 0.3115, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **77.4849, 0.3105, 0.3780**, and if you desaturate by 10%, it is **87.4652, 0.3129, 0.3242**.

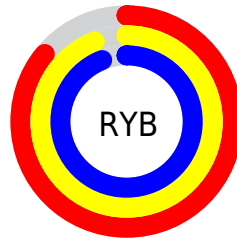
Distribution



Red (86%)

Green (94%)

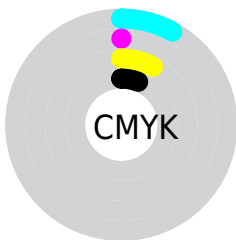
Blue (86%)



Red (86%)

Yellow (94%)

Blue (94%)

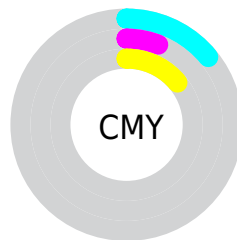


Cyan (8%)

Magenta (0%)

Yellow (8%)

Black (6%)



Cyan (14%)

Magenta (6%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1160, 0.3118, 0.3493 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 82.1160, 0.3118, 0.3493 by changing the saturation by 10% instead.

82.1160, 0.3118,
0.3493

82.1160, 0.3118,
0.3493

502.0356, 0.3123,
0.3400

61.4612, 0.3117,
0.3514

136.3367, 0.3120,
0.3461

44.5974, 0.3115,
0.3540

170.6713, 0.3120,
0.3448

31.1405, 0.3113,
0.3573

210.3346, 0.3121,
0.3437

20.7058, 0.3110,
0.3616

255.7110, 0.3121,
0.3428

12.9091, 0.3106,
0.3675

307.1849, 0.3122,
0.3420

7.3660, 0.3099,
0.3758

365.1407, 0.3122,

3.6920, 0.3087,

0.3412

0.3888

429.9628, 0.3123,
0.3406

■ 1.5028, 0.3062,
0.4118

■ 0.2907, 0.1200,
0.8800

■ 82.1160, 0.3118,
0.3493

■ 82.1160, 0.3118,
0.3493

■ 77.4849, 0.3105,
0.3780

■ 87.4652, 0.3129,
0.3242

■ 73.5314, 0.3090,
0.4100

■ 90.2153, 0.3134,
0.3136

■ 70.2269, 0.3074,
0.4448

■ 67.5368, 0.3058,
0.4809

■ 65.4233, 0.3041,
0.5162

■ 63.8441, 0.3026,
0.5480

■ 62.7516, 0.3014,
0.5734

■ 62.0895, 0.3005,
0.5904

■ 61.7817, 0.3001,
0.5988

Harmonies

Analogous

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



82.1160, 0.3255, 0.3534



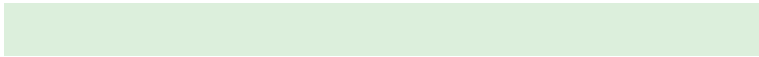
82.1160, 0.3118, 0.3493



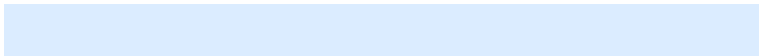
82.1160, 0.2985, 0.3394

Triad

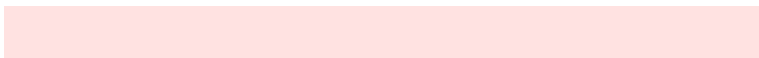
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1160, 0.3118, 0.3493



82.1160, 0.2898, 0.3074



82.1160, 0.3368, 0.3306

Complementary

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



82.1160, 0.3118, 0.3493



75.7420, 0.3136, 0.3095

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.



82.1160, 0.3268, 0.3189



82.1160, 0.3118, 0.3493



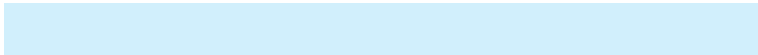
82.1160, 0.2996, 0.3056

Square

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



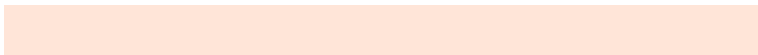
82.1160, 0.3118, 0.3493



82.1160, 0.2860, 0.3150



82.1160, 0.3132, 0.3098



82.1160, 0.3402, 0.3422

Rectangle

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



82.1160, 0.3118, 0.3493



82.1160, 0.2917, 0.3310



82.1160, 0.3132, 0.3098



82.1160, 0.3341, 0.3265

Sweetspot

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



82.1195, 0.3118, 0.3493



98.7241, 0.3125, 0.3339



85.0665, 0.3246, 0.3482



21.1444, 0.3125, 0.3337



0.0000, 0.0000, 0.0000



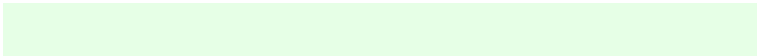
21.4041, 0.3127, 0.3290

Same Dimension

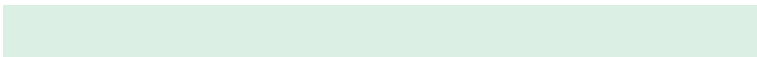
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1195, 0.3118, 0.3493



93.9577, 0.3115, 0.3549



82.6119, 0.3062, 0.3394



17.6586, 0.3116, 0.3534



34.1185, 0.3001, 0.6000



2.8391, 0.3002, 0.5998

Inverse Universe

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



75.7420, 0.3136, 0.3095



84.7817, 0.3138, 0.3043



75.2214, 0.3198, 0.3188



16.0290, 0.3138, 0.3057



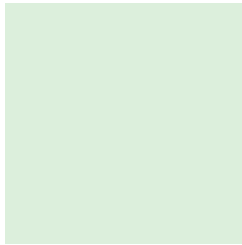
13.5196, 0.3202, 0.1538



1.1255, 0.3203, 0.1538

Previews

White Background



This preview shows how the Yxy color 82.1160, 0.3118, 0.3493 looks on a white background.

Color Contrast Check

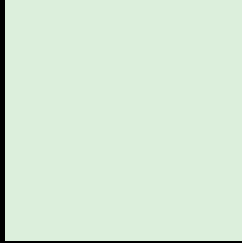
Large Text (above 18pt) WCAG AA × Fail

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 82.1160, 0.3118, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

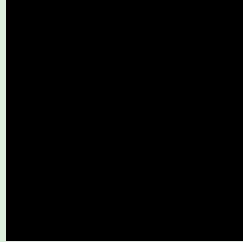
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

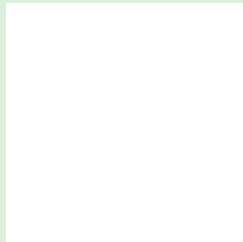
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1160, 0.3118, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 82.1160, 0.3118, 0.3493.

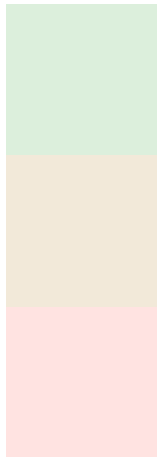


This preview shows how white text looks on a background with the Yxy color 82.1160, 0.3118, 0.3493.

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

82.1160, 0.3118, 0.3493

Protanopia

82.1648, 0.3292, 0.3455

Deuteranopia

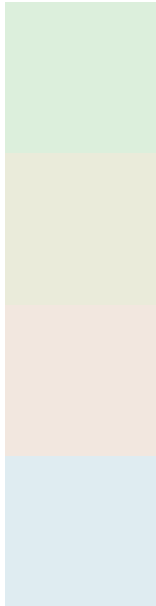
81.6344, 0.3338, 0.3311



Tritanopia

81.9450, 0.2954, 0.3095

Trichromacy



Original Color

82.1160, 0.3118, 0.3493

Protanomaly

81.9710, 0.3227, 0.3468

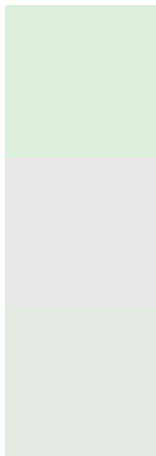
Deuteranomaly

81.3568, 0.3254, 0.3372

Tritanomaly

82.0298, 0.3012, 0.3238

Monochromacy



Original Color

82.1160, 0.3118, 0.3493

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.7226, 0.3124, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1160, 0.3118, 0.3493 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, 239, 220)` looks like.

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

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, 239, 220) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 82.1160, 0.3118, 0.3493 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, 239, 220) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 82.1160, 0.3118, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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