

Converting Colors

$Yxy(81.1356, 0.3271, 0.3726)$

Have a look what the booklet for
Yxy(81.1356, 0.3271, 0.3726)
contains.

Yxy(80.9143, 0.3275, 0.3722)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.9143, 0.3275, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	DFEEC6
RGB	223, 238, 198
RGB Percent	87%, 93%, 78%
CMY	0.1255, 0.0666, 0.2236
CMYK	0.06, 0.00, 0.17, 0.07
HSL	83°, 54%, 85%
HSV	83°, 17%, 93%
XYZ	71.1968, 80.9143, 65.2836
YIQ	228.9550, 3.9000, -15.6200

Conversions

Conversions Part 2

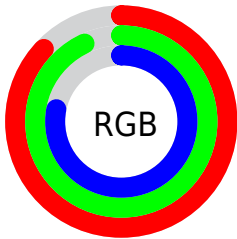
Format	Color
RYB	198, 238, 213
Decimal	14675654
CIELab	92.09, -11.83, 17.72
CIELCh	92, 21.306, 123.722
Yxy	80.9143, 0.3275, 0.3722
Android (android.graphics.Color)	4292865734 (0xFFDFEEC6)
YUV	228.9550, -15.2608, -5.2225
Hunter-Lab	89.9524, -16.1350, 19.9365

Details

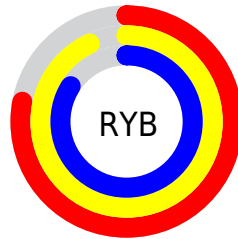
The Yxy color **80.9143, 0.3275, 0.3722** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.7027, 0.2960, 0.2849**, and the grayscale version is **78.4330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7943, 0.3310, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **78.5235, 0.3361, 0.4000**, and if you desaturate by 10%, it is **83.5595, 0.3187, 0.3459**.

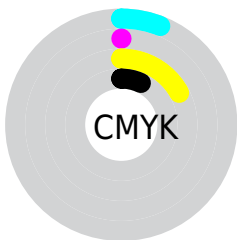
Distribution



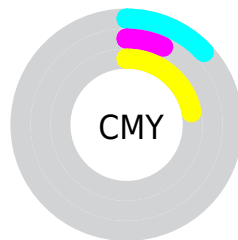
- Red (87%)
- Green (93%)
- Blue (78%)



- Red (78%)
- Yellow (93%)
- Blue (84%)



- Cyan (6%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9143, 0.3275, 0.3722 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 80.9143, 0.3275, 0.3722 by changing the saturation by 10% instead.

80.9143, 0.3275,
0.3722

80.9143, 0.3275,
0.3722

498.0088, 0.3210,
0.3522

60.4710, 0.3289,
0.3768

134.6504, 0.3253,
0.3652

43.7984, 0.3306,
0.3824

168.7121, 0.3245,
0.3625

30.5121, 0.3326,
0.3896

208.0819, 0.3237,
0.3602

20.2276, 0.3352,
0.3990

253.1445, 0.3230,
0.3582

12.5606, 0.3384,
0.4117

304.2840, 0.3224,
0.3564

7.1267, 0.3426,
0.4299


361.8850, 0.3219,


3.5414, 0.3479,


0.3548


0.4580


426.3318, 0.3214,
0.3534


 1.4205, 0.3770,
0.5399


 0.2318, 0.0000,
1.0000

 80.9143, 0.3275,
0.3722


 80.9143, 0.3275,
0.3722


 78.5235, 0.3361,
0.4000

 83.5595, 0.3187,
0.3459


 76.3674, 0.3441,
0.4285

 86.4572, 0.3100,
0.3214

 74.4396, 0.3511,
0.4569

 88.6571, 0.3101,
0.3125

 72.7294, 0.3565,
0.4839

 89.6337, 0.3135,
0.3127

■ 71.2253, 0.3599,
0.5082

■ 69.9139, 0.3609,
0.5286

■ 68.7800, 0.3594,
0.5441

■ 67.8046, 0.3556,
0.5544

■ 67.5178, 0.3541,
0.5570

Harmonies

Analogous

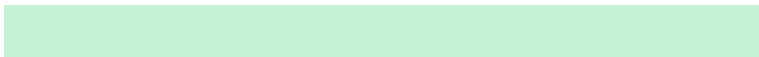
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9143, 0.3490, 0.3705



80.9143, 0.3275, 0.3722



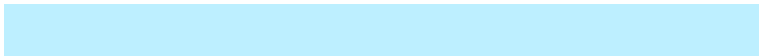
80.9143, 0.3026, 0.3610

Triad

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



80.9143, 0.3275, 0.3722



80.9143, 0.2666, 0.2982



80.9143, 0.3448, 0.3173

Complementary

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



80.9143, 0.3275, 0.3722



60.7027, 0.2960, 0.2849

Split Complementary

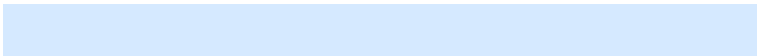
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9143, 0.3215, 0.2999



80.9143, 0.3275, 0.3722



80.9143, 0.2768, 0.2886

Square

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



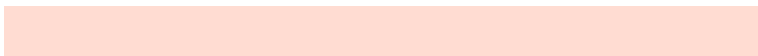
80.9143, 0.3275, 0.3722



80.9143, 0.2681, 0.3169



80.9143, 0.2966, 0.2895



80.9143, 0.3595, 0.3381

Rectangle

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



80.9143, 0.3275, 0.3722



80.9143, 0.2875, 0.3478



80.9143, 0.2966, 0.2895



80.9143, 0.3377, 0.3109

Sweetspot

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



80.9178, 0.3275, 0.3722



98.3100, 0.3171, 0.3414



69.6741, 0.3423, 0.3448



20.9929, 0.3177, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

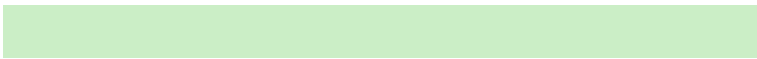
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9178, 0.3275, 0.3722



93.6902, 0.3303, 0.3811



77.9726, 0.3141, 0.3740



18.1456, 0.3210, 0.3527



37.7416, 0.3551, 0.5563



3.1964, 0.3635, 0.5496

Inverse Universe

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



60.7027, 0.2960, 0.2849



66.1145, 0.2923, 0.2756



63.8250, 0.3106, 0.2868



15.5175, 0.3038, 0.3050



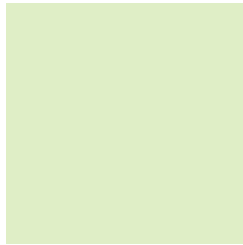
4.7044, 0.1806, 0.0769



0.4464, 0.1952, 0.0849

Previews

White Background



This preview shows how the Yxy color 80.9143, 0.3275, 0.3722 looks on a white background.

Color Contrast Check

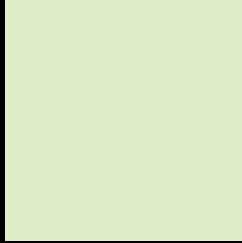
Large Text (above 18pt) WCAG AA × Fail

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 80.9143, 0.3275, 0.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

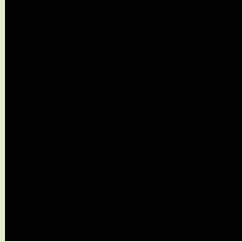
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

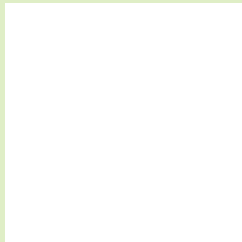
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9143, 0.3275, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 80.9143, 0.3275, 0.3722.

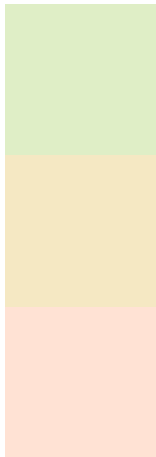


This preview shows how white text looks on a background with the Yxy color 80.9143, 0.3275, 0.3722.

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

80.9143, 0.3275, 0.3722

Protanopia

81.0658, 0.3460, 0.3673

Deuteranopia

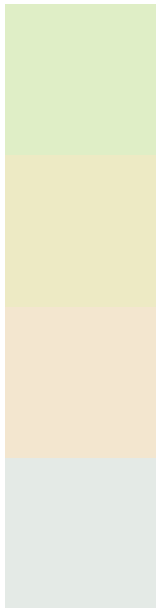
80.4062, 0.3428, 0.3432



Tritanopia

80.9803, 0.3016, 0.3106

Trichromacy



Original Color

80.9143, 0.3275, 0.3722

Protanomaly

80.8357, 0.3392, 0.3690

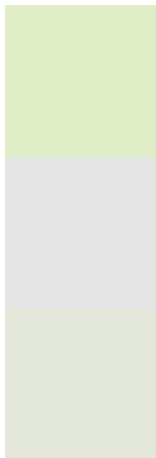
Deuteranomaly

80.1533, 0.3369, 0.3529

Tritanomaly

81.0528, 0.3112, 0.3332

Monochromacy



Original Color

80.9143, 0.3275, 0.3722

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1061, 0.3182, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9143, 0.3275, 0.3722 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, 238, 198)` looks like.

```
.text, #text, p{  
    color:rgb(223, 238, 198)  
}
```

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, 238, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 238, 198) }
```

Border

The CSS property to change the border of an element to Yxy 80.9143, 0.3275, 0.3722 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, 238, 198) }
```

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

```
.border{ border-color:rgb(223, 238, 198) }
```

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

Here you see how a box with a 4 pixel rgb(223, 238, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 238, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 238, 198);  
box-shadow:4px 4px 4px 4px rgb(223, 238,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9143, 0.3275, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 238, 198) }
```

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

```
.background{ background-color: rgb(223,  
238, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor