

Converting Colors

$Y_{xy}(80.3674, 0.3239, 0.3218)$

Have a look what the booklet for
Yxy(80.3674, 0.3239, 0.3218)
contains.

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Color

Yxy(80.4156, 0.3242, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	F9E2E9
RGB	249, 226, 233
RGB Percent	98%, 89%, 91%
CMY	0.0236, 0.1137, 0.0862
CMYK	0.00, 0.09, 0.06, 0.02
HSL	342°, 66%, 93%
HSV	342°, 9%, 98%
XYZ	80.9650, 80.4156, 88.3573
YIQ	233.6750, 11.4610, 7.0530

Conversions

Conversions Part 2

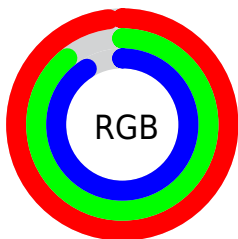
Format	Color
R_{YB}	249, 226, 233
Decimal	16376553
CIE Lab	91.87, 9.01, -0.56
CIE LCh	92, 9.032, 356.423
Yxy	80.4156, 0.3242, 0.3220
Android (android.graphics.Color)	4294566633 (0xFF9E2E9)
YUV	233.6750, -0.3328, 13.4400
Hunter-Lab	89.6747, 4.2323, 4.3534

Details

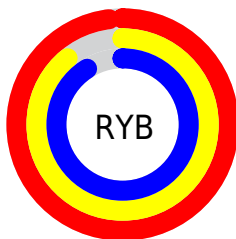
The Yxy color **80.4156, 0.3242, 0.3220** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.3133, 0.3024, 0.3361**, and the grayscale version is **82.0174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5066, 0.3267, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **66.9056, 0.3394, 0.3139**, and if you desaturate by 10%, it is **95.9956, 0.3118, 0.3296**.

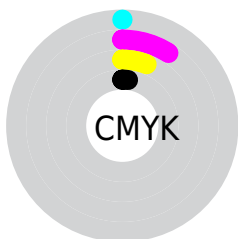
Distribution



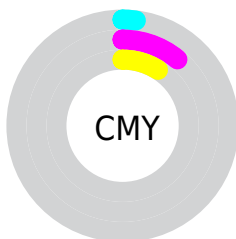
- Red (98%)
- Green (89%)
- Blue (91%)



- Red (98%)
- Yellow (89%)
- Blue (91%)



- Cyan (0%)
- Magenta (9%)
- Yellow (6%)
- Black (2%)





- Cyan (2%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4156, 0.3242, 0.3220 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 80.4156, 0.3242, 0.3220 by changing the saturation by 10% instead.

 80.4156, 0.3242,
0.3220

 80.4156, 0.3242,
0.3220


496.3323, 0.3190,
0.3252

 60.0604, 0.3254,
0.3213


133.9499, 0.3224,
0.3231

 43.4673, 0.3268,
0.3204


167.8978, 0.3217,
0.3235

 30.2520, 0.3286,
0.3193


207.1453, 0.3211,
0.3239

 20.0299, 0.3309,
0.3179

252.0770, 0.3206,
0.3242

 12.4168, 0.3341,
0.3160

303.0771, 0.3201,
0.3245

 7.0282, 0.3385,
0.3133

360.5301, 0.3197,

 3.4797, 0.3453,

0.3248

0.3092

424.8204, 0.3193,
0.3250

■ 1.3870, 0.3569,
0.3023

■ 0.2071, 0.4690,
0.2330

■ 80.4156, 0.3242,
0.3220

■ 80.4156, 0.3242,
0.3220

■ 66.9056, 0.3394,
0.3139

■ 95.9956, 0.3118,
0.3296

■ 55.3678, 0.3580,
0.3056

■ 98.8744, 0.3090,
0.3290

■ 45.7126, 0.3807,
0.2973

■ 37.8388, 0.4077,
0.2897

■ 31.6360, 0.4392,
0.2836

■ 26.9812, 0.4742,
0.2802

■ 23.7345, 0.5110,
0.2808

■ 21.7298, 0.5462,
0.2861

■ 20.7166, 0.5768,
0.2956

Harmonies

Analogous

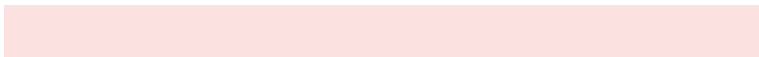
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4156, 0.3140, 0.3148



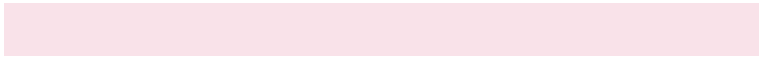
80.4156, 0.3242, 0.3220



80.4156, 0.3314, 0.3310

Triad

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



80.4156, 0.3242, 0.3220



80.4156, 0.3217, 0.3474



80.4156, 0.2924, 0.3178

Complementary

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



80.4156, 0.3242, 0.3220



90.3133, 0.3024, 0.3361

Split Complementary

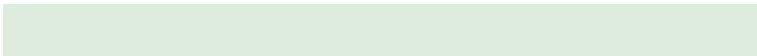
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4156, 0.2944, 0.3265



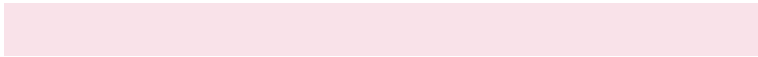
80.4156, 0.3242, 0.3220



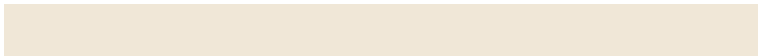
80.4156, 0.3112, 0.3438

Square

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



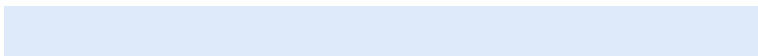
80.4156, 0.3242, 0.3220



80.4156, 0.3299, 0.3458



80.4156, 0.3012, 0.3361



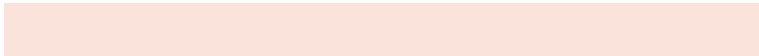
80.4156, 0.2958, 0.3123

Rectangle

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



80.4156, 0.3242, 0.3220



80.4156, 0.3334, 0.3370



80.4156, 0.3012, 0.3361



80.4156, 0.2925, 0.3204

Sweetspot

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



80.4191, 0.3242, 0.3220



94.8781, 0.3162, 0.3268



80.0627, 0.3088, 0.3060



20.0221, 0.3172, 0.3262



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

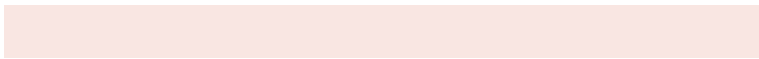
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4191, 0.3242, 0.3220



82.1983, 0.3267, 0.3206



82.3440, 0.3284, 0.3333



17.3124, 0.3246, 0.3218



11.0816, 0.5748, 0.2940



1.0444, 0.5412, 0.2755

Inverse Universe

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



80.4191, 0.3242, 0.3220



82.1983, 0.3267, 0.3206



88.1698, 0.2984, 0.3247



17.3124, 0.3246, 0.3218



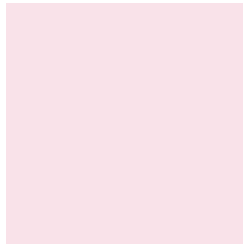
11.0816, 0.5748, 0.2940



1.0444, 0.5412, 0.2755

Previews

White Background



This preview shows how the Yxy color 80.4156, 0.3242, 0.3220 looks on a white background.

Color Contrast Check

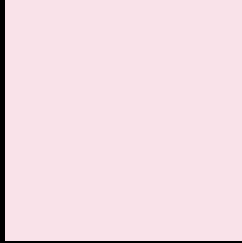
Large Text (above 18pt) WCAG AA × Fail

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 80.4156, 0.3242, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

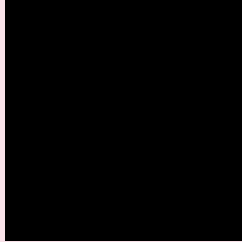
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4156, 0.3242, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 80.4156, 0.3242, 0.3220.

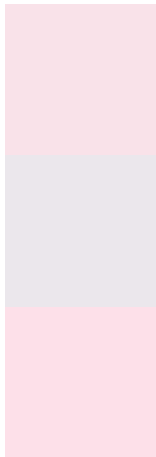


This preview shows how white text looks on a background with the Yxy color 80.4156, 0.3242, 0.3220.

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

80.4156, 0.3242, 0.3220

Protanopia

80.8701, 0.3123, 0.3239

Deuteranopia

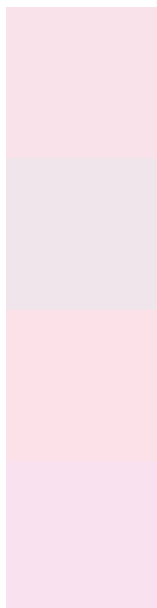
80.0771, 0.3272, 0.3201



Tritanopia

80.5852, 0.3191, 0.3121

Trichromacy



Original Color

80.4156, 0.3242, 0.3220

Protanomaly

80.5620, 0.3164, 0.3229

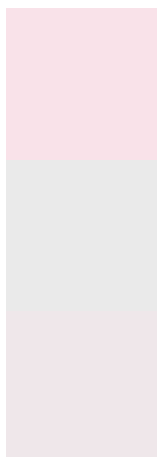
Deuteranomaly

80.4291, 0.3264, 0.3211

Tritanomaly

80.4064, 0.3210, 0.3151

Monochromacy



Original Color

80.4156, 0.3242, 0.3220

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.4431, 0.3163, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4156, 0.3242, 0.3220 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(249, 226, 233)` looks like.

```
.text, #text, p{  
    color:rgb(249, 226, 233)  
}
```

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(249, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 226, 233) }
```

Border

The CSS property to change the border of an element to Yxy 80.4156, 0.3242, 0.3220 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(249, 226, 233) }
```

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

```
.border{ border-color:rgb(249, 226, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 226, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 226, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 226, 233);  
box-shadow:4px 4px 4px 4px rgb(249, 226,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4156, 0.3242, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 226, 233) }
```

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

```
.background{ background-color: rgb(249,  
226, 233) }
```

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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