

Converting Colors

$Y_{xy}(80.7183, 0.3256, 0.3238)$

Have a look what the booklet for
Yxy(80.7183, 0.3256, 0.3238)
contains.

Yxy(80.5429, 0.3256, 0.3230)	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(80.5429, 0.3256, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	FAE2E8
RGB	250, 226, 232
RGB Percent	98%, 89%, 91%
CMY	0.0196, 0.1137, 0.0901
CMYK	0.00, 0.10, 0.07, 0.02
HSL	345°, 71%, 93%
HSV	345°, 10%, 98%
XYZ	81.1912, 80.5429, 87.6247
YIQ	233.8600, 12.3780, 6.9540

Conversions

Conversions Part 2

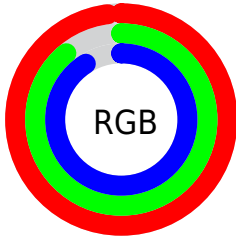
Format	Color
R _Y B	250, 226, 232
Decimal	16442088
CIE Lab	91.93, 9.21, 0.05
CIE LCh	92, 9.211, 0.321
Yxy	80.5429, 0.3256, 0.3230
Android (android.graphics.Color)	4294632168 (0xFFFAE2E8)
YUV	233.8600, -0.9170, 14.1548
Hunter-Lab	89.7457, 4.4306, 4.9332

Details

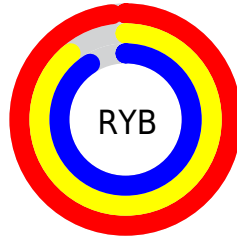
The Yxy color **80.5429, 0.3256, 0.3230** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.0789, 0.3012, 0.3351**, and the grayscale version is **82.1720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5979, 0.3285, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **66.9177, 0.3421, 0.3164**, and if you desaturate by 10%, it is **96.2710, 0.3122, 0.3292**.

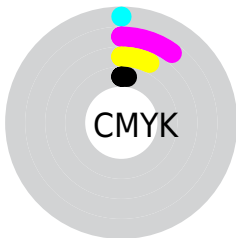
Distribution



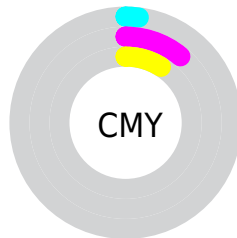
- Red (98%)
- Green (89%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (10%)
- Yellow (7%)
- Black (2%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5429, 0.3256, 0.3230 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 80.5429, 0.3256, 0.3230 by changing the saturation by 10% instead.


 80.5429, 0.3256,
0.3230

 80.5429, 0.3256,
0.3230


496.7606, 0.3197,
0.3257

 60.1652, 0.3269,
0.3224


134.1288, 0.3236,
0.3239

 43.5518, 0.3285,
0.3216


168.1057, 0.3228,
0.3243

 30.3183, 0.3306,
0.3207


207.3845, 0.3221,
0.3246

 20.0803, 0.3332,
0.3194

252.3496, 0.3215,
0.3249

 12.4534, 0.3367,
0.3178

303.3854, 0.3210,
0.3252

 7.0533, 0.3417,
0.3154

360.8762, 0.3205,

 3.4954, 0.3494,

0.3254

0.3119

425.2064, 0.3201,
0.3256

■ 1.3955, 0.3625,
0.3057

■ 0.2134, 0.4917,
0.2453

■ 80.5429, 0.3256,
0.3230

■ 80.5429, 0.3256,
0.3230

■ 66.9177, 0.3421,
0.3164

■ 96.2710, 0.3122,
0.3292

■ 55.2960, 0.3624,
0.3095

■ 99.0663, 0.3096,
0.3290

■ 45.5858, 0.3872,
0.3027

■ 37.6840, 0.4169,
0.2965

■ 31.4777, 0.4515,
0.2918

■ 26.8410, 0.4898,
0.2897

■ 23.6305, 0.5292,
0.2911

■ 21.6761, 0.5660,
0.2968

■ 20.7113, 0.5960,
0.3060

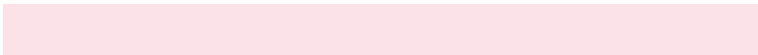
Harmonies

Analogous

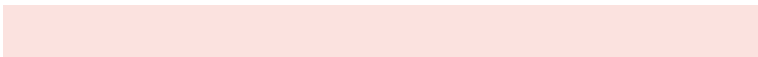
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5429, 0.3155, 0.3153



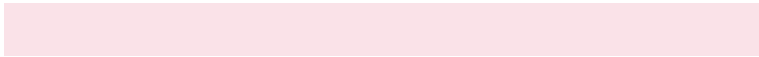
80.5429, 0.3256, 0.3230



80.5429, 0.3323, 0.3323

Triad

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



80.5429, 0.3256, 0.3230



80.5429, 0.3205, 0.3475



80.5429, 0.2922, 0.3166

Complementary

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



80.5429, 0.3256, 0.3230



91.0789, 0.3012, 0.3351

Split Complementary

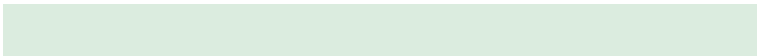
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5429, 0.2935, 0.3252



80.5429, 0.3256, 0.3230



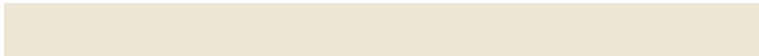
80.5429, 0.3097, 0.3433

Square

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



80.5429, 0.3256, 0.3230



80.5429, 0.3293, 0.3466



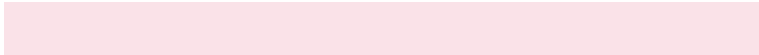
80.5429, 0.2999, 0.3350



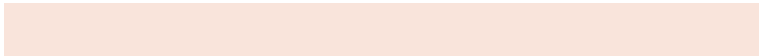
80.5429, 0.2962, 0.3116

Rectangle

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



80.5429, 0.3256, 0.3230



80.5429, 0.3339, 0.3383



80.5429, 0.2999, 0.3350



80.5429, 0.2920, 0.3192

Sweetspot

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



80.5464, 0.3256, 0.3230



94.8521, 0.3165, 0.3272



80.4590, 0.3095, 0.3050



20.0151, 0.3175, 0.3267



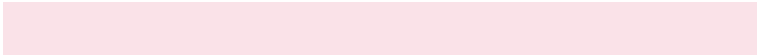
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

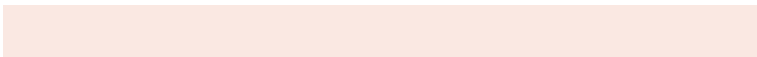
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5464, 0.3256, 0.3230



80.6168, 0.3293, 0.3214



83.3073, 0.3290, 0.3347



17.2966, 0.3254, 0.3231



10.9882, 0.5931, 0.3041



1.0339, 0.5600, 0.2858

Inverse Universe

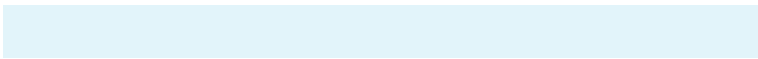
The Inverse Universe completely reimagines the original color for something new.



80.5464, 0.3256, 0.3230



80.6168, 0.3293, 0.3214



88.0198, 0.2978, 0.3233



17.2966, 0.3254, 0.3231



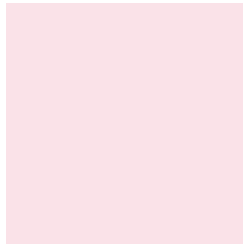
10.9882, 0.5931, 0.3041



1.0339, 0.5600, 0.2858

Previews

White Background



This preview shows how the Yxy color 80.5429, 0.3256, 0.3230 looks on a white background.

Color Contrast Check

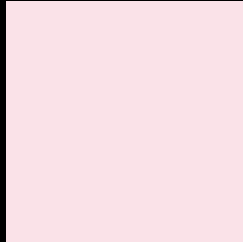
Large Text (above 18pt) WCAG AA × Fail

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 80.5429, 0.3256, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

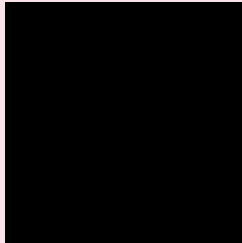
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5429, 0.3256, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 80.5429, 0.3256, 0.3230.

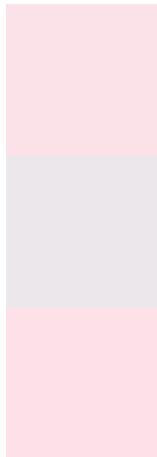


This preview shows how white text looks on a background with the Yxy color 80.5429, 0.3256, 0.3230.

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

80.5429, 0.3256, 0.3230

Protanopia

80.8122, 0.3129, 0.3249

Deuteranopia

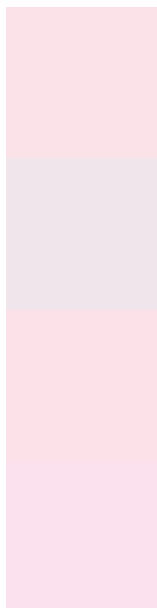
80.7475, 0.3285, 0.3221



Tritanopia

80.2313, 0.3198, 0.3112

Trichromacy



Original Color

80.5429, 0.3256, 0.3230

Protanomaly

80.5044, 0.3171, 0.3239

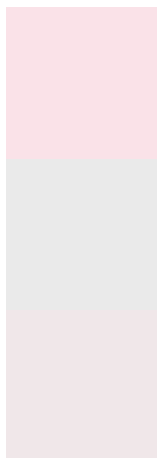
Deuteranomaly

80.5593, 0.3278, 0.3221

Tritanomaly

80.5327, 0.3224, 0.3161

Monochromacy



Original Color

80.5429, 0.3256, 0.3230

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.5603, 0.3176, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5429, 0.3256, 0.3230 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(250, 226, 232)` looks like.

```
.text, #text, p{  
    color:rgb(250, 226, 232)  
}
```

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(250, 226, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 226, 232) }
```

Border

The CSS property to change the border of an element to Yxy 80.5429, 0.3256, 0.3230 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(250, 226, 232) }
```

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

```
.border{ border-color:rgb(250, 226, 232) }
```

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

Here you see how a box with a 4 pixel rgb(250, 226, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 226, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 226, 232);  
box-shadow:4px 4px 4px 4px rgb(250, 226,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5429, 0.3256, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 226, 232) }
```

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

```
.background{ background-color: rgb(250,  
226, 232) }
```

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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