

Converting Colors

$Y_{xy}(80.6775, 0.3134, 0.3144)$

Have a look what the booklet for
Yxy(80.6775, 0.3134, 0.3144)
contains.

Yxy(80.7749, 0.3134, 0.3149)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.7749, 0.3134, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	F2E4F2
RGB	242, 228, 242
RGB Percent	95%, 89%, 95%
CMY	0.0509, 0.1059, 0.0510
CMYK	0.00, 0.06, 0.00, 0.05
HSL	300°, 35%, 92%
HSV	300°, 6%, 95%
XYZ	80.3901, 80.7749, 95.3447
YIQ	233.7820, 3.8500, 7.3220

Conversions

Conversions Part 2

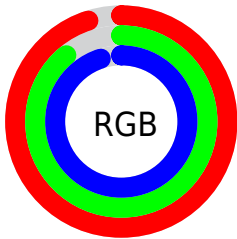
Format	Color
R_{YB}	242, 228, 242
Decimal	15918322
CIE Lab	92.03, 7.20, -5.08
CIE LCh	92, 8.811, 324.789
Yxy	80.7749, 0.3134, 0.3149
Android (android.graphics.Color)	4294108402 (0xFF2E4F2)
YUV	233.7820, 4.0515, 7.2072
Hunter-Lab	89.8749, 2.3814, 0.0140

Details

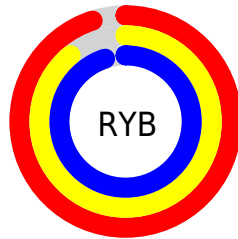
The Yxy color **80.7749, 0.3134, 0.3149** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6121, 0.3120, 0.3435**, and the grayscale version is **82.0756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8714, 0.3135, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **68.3779, 0.3146, 0.2900**, and if you desaturate by 10%, it is **95.0427, 0.3122, 0.3390**.

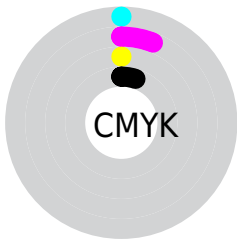
Distribution



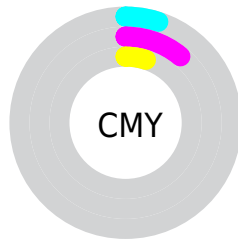
- Red (95%)
- Green (89%)
- Blue (95%)



- Red (95%)
- Yellow (89%)
- Blue (95%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)




- Cyan (5%)
- Magenta (11%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7749, 0.3134, 0.3149 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 80.7749, 0.3134, 0.3149 by changing the saturation by 10% instead.


 80.7749, 0.3134,
0.3149

 80.7749, 0.3134,
0.3149


497.5405, 0.3131,
0.3212

 60.3562, 0.3135,
0.3135

134.4547, 0.3133,
0.3171

 43.7058, 0.3135,
0.3118


168.4845, 0.3133,
0.3179

 30.4393, 0.3136,
0.3096


207.8202, 0.3132,
0.3187

 20.1723, 0.3137,
0.3069

252.8462, 0.3132,
0.3193

 12.5203, 0.3138,
0.3032

303.9468, 0.3132,
0.3199

 7.0991, 0.3139,
0.2981

361.5065, 0.3132,

 3.5241, 0.3140,

0.3204

0.2904

425.9096, 0.3131,
0.3208

■ 1.4111, 0.3141,
0.2778

■ 0.2249, 0.3207,
0.1852

■ 80.7749, 0.3134,
0.3149

■ 80.7749, 0.3134,
0.3149

■ 68.3779, 0.3146,
0.2900

■ 95.0427, 0.3122,
0.3390

■ 57.7643, 0.3158,
0.2649

■ 96.8169, 0.3121,
0.3417

■ 48.8551, 0.3170,
0.2405

■ 96.8203, 0.3120,
0.3416

■ 41.5618, 0.3182,
0.2177

■ 96.8237, 0.3120,
0.3416

35.7873, 0.3192,
0.1974

96.8271, 0.3120,
0.3415

31.4245, 0.3201,
0.1806

96.8305, 0.3119,
0.3415

28.3523, 0.3207,
0.1680

96.8339, 0.3119,
0.3414

26.4293, 0.3212,
0.1597

96.8373, 0.3119,
0.3413

25.4806, 0.3214,
0.1555

96.8407, 0.3118,
0.3413

Harmonies

Analogous

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



80.7749, 0.3033, 0.3117



80.7749, 0.3134, 0.3149



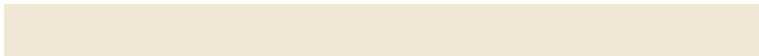
80.7749, 0.3234, 0.3217

Triad

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



80.7749, 0.3134, 0.3149



80.7749, 0.3297, 0.3451



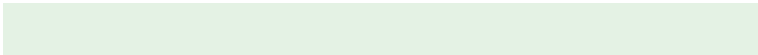
80.7749, 0.2951, 0.3271

Complementary

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



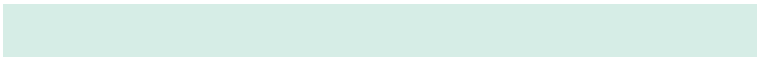
80.7749, 0.3134, 0.3149



85.6121, 0.3120, 0.3435

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.



80.7749, 0.3020, 0.3364



80.7749, 0.3134, 0.3149



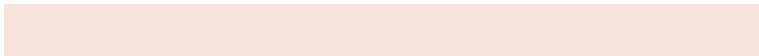
80.7749, 0.3220, 0.3469

Square

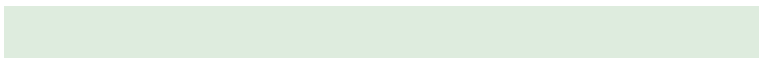
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7749, 0.3134, 0.3149



80.7749, 0.3329, 0.3391



80.7749, 0.3118, 0.3437



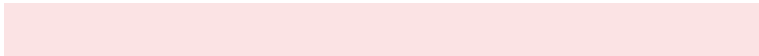
80.7749, 0.2929, 0.3185

Rectangle

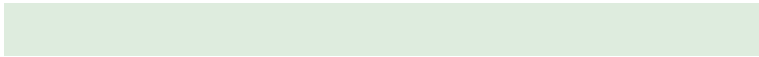
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7749, 0.3134, 0.3149



80.7749, 0.3287, 0.3275



80.7749, 0.3118, 0.3437



80.7749, 0.2970, 0.3303

Sweetspot

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



80.7784, 0.3134, 0.3149



96.7883, 0.3130, 0.3242



78.3946, 0.3039, 0.3144



20.7503, 0.3129, 0.3244



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.



80.7784, 0.3134, 0.3149



89.1326, 0.3135, 0.3119



80.3673, 0.3179, 0.3219



16.5427, 0.3136, 0.3105



13.5670, 0.3215, 0.1545



1.1289, 0.3214, 0.1544

Inverse Universe

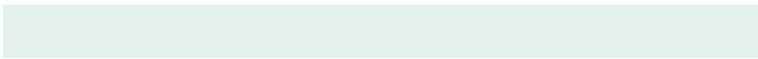
The Inverse Universe completely reimagines the original color for something new.



80.7784, 0.3134, 0.3149



89.1326, 0.3135, 0.3119



86.0074, 0.3078, 0.3362



16.5427, 0.3136, 0.3105



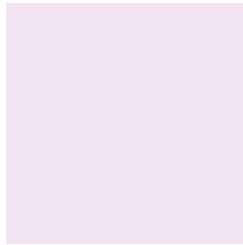
13.5670, 0.3215, 0.1545



1.1289, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 80.7749, 0.3134, 0.3149 looks on a white background.

Color Contrast Check

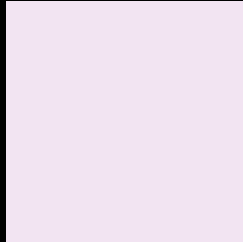
Large Text (above 18pt) WCAG AA × Fail

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 80.7749, 0.3134, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

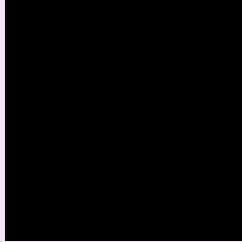
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

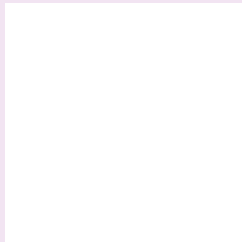
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7749, 0.3134, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 80.7749, 0.3134, 0.3149.

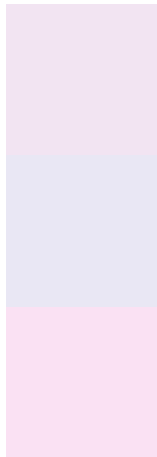


This preview shows how white text looks on a background with the Yxy color 80.7749, 0.3134, 0.3149.

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

80.7749, 0.3134, 0.3149

Protanopia

81.0071, 0.3060, 0.3157

Deuteranopia

80.6455, 0.3184, 0.3112



Tritanopia

80.5854, 0.3122, 0.3109

Trichromacy



Original Color

80.7749, 0.3134, 0.3149

Protanomaly

80.8976, 0.3086, 0.3158

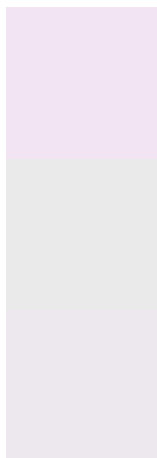
Deuteranomaly

80.6379, 0.3163, 0.3120

Tritanomaly

80.5245, 0.3128, 0.3119

Monochromacy



Original Color

80.7749, 0.3134, 0.3149

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.8322, 0.3130, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7749, 0.3134, 0.3149 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(242, 228, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 228, 242)  
}
```

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(242, 228, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 228, 242) }
```

Border

The CSS property to change the border of an element to Yxy 80.7749, 0.3134, 0.3149 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(242, 228, 242) }
```

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

```
.border{ border-color:rgb(242, 228, 242) }
```

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

Here you see how a box with a 4 pixel rgb(242, 228, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 228, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 228, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 228,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7749, 0.3134, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 228, 242) }
```

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

```
.background{ background-color: rgb(242,  
228, 242) }
```

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