

Converting Colors

Yxy(87.2641, 0.3104, 0.3220)

Have a look what the booklet for
Yxy(87.2641, 0.3104, 0.3220)
contains.

Yxy(87.2641, 0.3104, 0.3220)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.2641, 0.3104, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	F2EFF6
RGB	242, 239, 246
RGB Percent	95%, 94%, 96%
CMY	0.0510, 0.0627, 0.0352
CMYK	0.02, 0.03, 0.00, 0.04
HSL	266°, 28%, 95%
HSV	266°, 3%, 96%
XYZ	84.1204, 87.2641, 99.6220
YIQ	240.6950, -0.4590, 2.8130

Conversions

Conversions Part 2

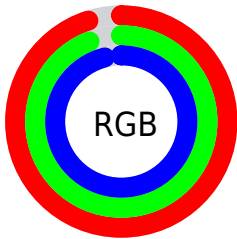
Format	Color
R _Y B	242, 239, 246
Decimal	15921142
CIE Lab	94.85, 2.25, -3.04
CIE LCh	95, 3.783, 306.537
Yxy	87.2641, 0.3104, 0.3220
Android (android.graphics.Color)	4294111222 (0xFF2EFF6)
YUV	240.6950, 2.6154, 1.1445
Hunter-Lab	93.4153, -2.7375, 2.1613

Details

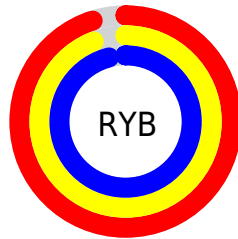
The Yxy color **87.2641, 0.3104, 0.3220** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.2246, 0.3150, 0.3360**, and the grayscale version is **87.6930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0238, 0.3098, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **71.4229, 0.3014, 0.2960**, and if you desaturate by 10%, it is **99.4357, 0.3179, 0.3376**.

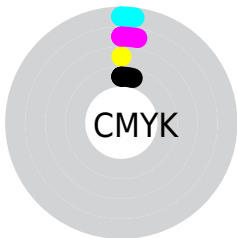
Distribution



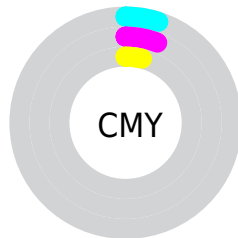
- Red (95%)
- Green (94%)
- Blue (96%)



- Red (95%)
- Yellow (94%)
- Blue (96%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)




- Cyan (5%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2641, 0.3104, 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 87.2641, 0.3104, 0.3220 by changing the saturation by 10% instead.


 87.2641, 0.3104,
0.3220

 87.2641, 0.3104,
0.3220

519.0903, 0.3114,
0.3251

 65.7138, 0.3102,
0.3213


143.5322, 0.3108,
0.3231

 48.0401, 0.3099,
0.3205


179.0188, 0.3109,
0.3235

 33.8586, 0.3095,
0.3194

219.9195, 0.3110,
0.3239

 22.7850, 0.3091,
0.3181

266.6189, 0.3111,
0.3242

 14.4349, 0.3085,
0.3163

319.5013, 0.3112,
0.3245

 8.4237, 0.3076,
0.3139

378.9510, 0.3113,

 4.3673, 0.3063,

0.3247

0.3102

445.3526, 0.3114,
0.3249

■ 1.8811, 0.3042,
0.3043

■ 0.5369, 0.2976,
0.2827

■ 87.2641, 0.3104,
0.3220

■ 87.2641, 0.3104,
0.3220

■ 71.4229, 0.3014,
0.2960

■ 99.4357, 0.3179,
0.3376

■ 57.6491, 0.2910,
0.2677

■ 45.8581, 0.2791,
0.2377

■ 35.9547, 0.2658,
0.2068

■ 27.8359, 0.2514,
0.1761

■ 21.3886, 0.2365,
0.1472

■ 16.4861, 0.2215,
0.1219

■ 12.9826, 0.2074,
0.1016

■ 10.7024, 0.1948,
0.0873

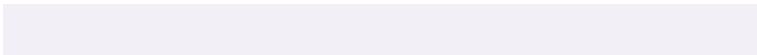
Harmonies

Analogous

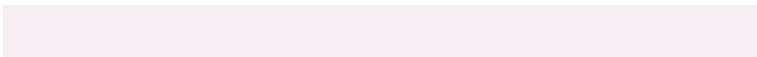
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2641, 0.3067, 0.3218



87.2641, 0.3104, 0.3220



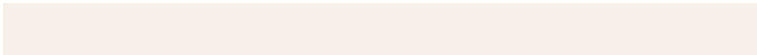
87.2641, 0.3147, 0.3240

Triad

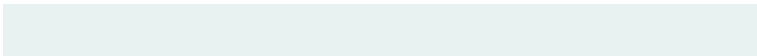
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2641, 0.3104, 0.3220



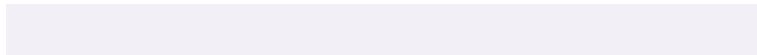
87.2641, 0.3209, 0.3344



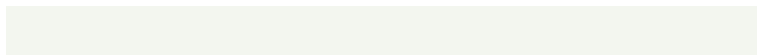
87.2641, 0.3069, 0.3306

Complementary

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



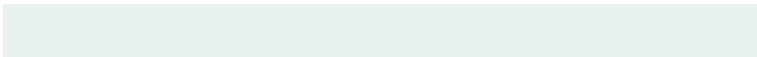
87.2641, 0.3104, 0.3220



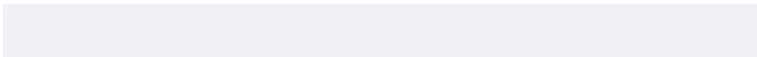
91.2246, 0.3150, 0.3360

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.



87.2641, 0.3107, 0.3341



87.2641, 0.3104, 0.3220



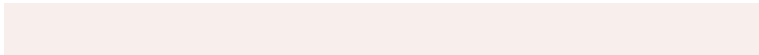
87.2641, 0.3188, 0.3363

Square

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



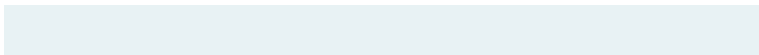
87.2641, 0.3104, 0.3220



87.2641, 0.3208, 0.3312



87.2641, 0.3150, 0.3362



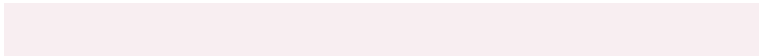
87.2641, 0.3047, 0.3268

Rectangle

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



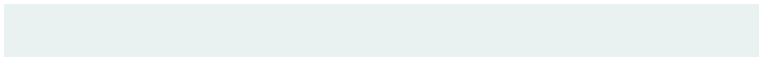
87.2641, 0.3104, 0.3220



87.2641, 0.3174, 0.3262



87.2641, 0.3150, 0.3362



87.2641, 0.3080, 0.3319

Sweetspot

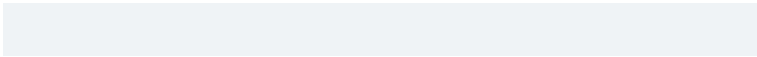
The Sweet Spot groups the original color and five complimentary colors.



87.2678, 0.3104, 0.3220



98.1069, 0.3119, 0.3266



89.1704, 0.3083, 0.3261



21.0189, 0.3120, 0.3267



0.0000, 0.0000, 0.0000



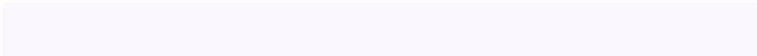
21.4041, 0.3127, 0.3290

Same Dimension

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



87.2678, 0.3104, 0.3220



94.3915, 0.3103, 0.3216



87.8844, 0.3127, 0.3221



18.2190, 0.3096, 0.3197



5.2214, 0.1886, 0.0813



0.5181, 0.2025, 0.0889

Inverse Universe

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



87.8081, 0.3149, 0.3250



95.0080, 0.3150, 0.3248



90.6161, 0.3128, 0.3360



18.3710, 0.3156, 0.3237



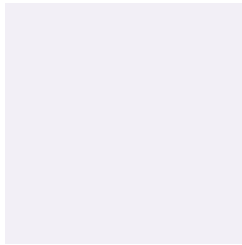
11.5189, 0.4646, 0.2333



1.0329, 0.4416, 0.2206

Previews

White Background



This preview shows how the Yxy color 87.2641, 0.3104, 0.3220 looks on a white background.

Color Contrast Check

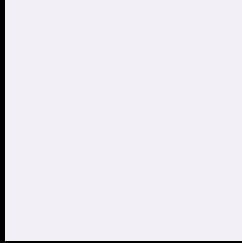
Large Text (above 18pt) WCAG AA × Fail

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 87.2641, 0.3104, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

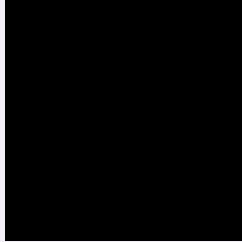
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

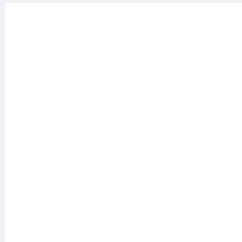
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2641, 0.3104, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 87.2641, 0.3104, 0.3220.

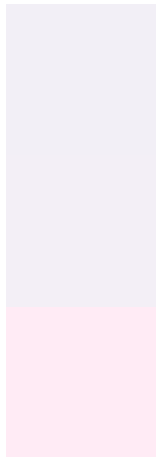


This preview shows how white text looks on a background with the Yxy color 87.2641, 0.3104, 0.3220.

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

87.2641, 0.3104, 0.3220

Protanopia

87.4415, 0.3111, 0.3220

Deuteranopia

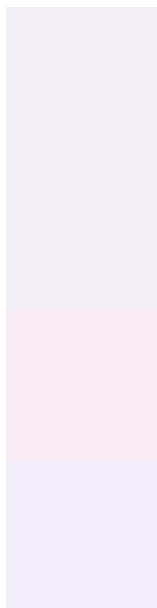
87.2692, 0.3199, 0.3193



Tritanopia

87.4238, 0.3057, 0.3122

Trichromacy



Original Color

87.2641, 0.3104, 0.3220

Protanomaly

87.4415, 0.3111, 0.3220

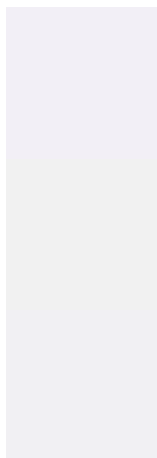
Deuteranomaly

86.9075, 0.3165, 0.3202

Tritanomaly

87.2320, 0.3075, 0.3152

Monochromacy



Original Color

87.2641, 0.3104, 0.3220

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.4920, 0.3115, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2641, 0.3104, 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(242, 239, 246)` looks like.

```
.text, #text, p{  
    color:rgb(242, 239, 246)  
}
```

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, 239, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 239, 246) }
```

Border

The CSS property to change the border of an element to Yxy 87.2641, 0.3104, 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(242, 239, 246) }
```

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

```
.border{ border-color:rgb(242, 239, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 239, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 239, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 239, 246);  
box-shadow:4px 4px 4px 4px rgb(242, 239,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2641, 0.3104, 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(242, 239, 246) }
```

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

```
.background{ background-color: rgb(242,  
239, 246) }
```

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