

Converting Colors

Yxy(87.9802, 0.3227, 0.3411)

Have a look what the booklet for
Yxy(87.9802, 0.3227, 0.3411)
contains.

Yxy(87.9802, 0.3227, 0.3411)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.9802, 0.3227, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	F5F1E5
RGB	245, 241, 229
RGB Percent	96%, 95%, 90%
CMY	0.0395, 0.0548, 0.1020
CMYK	0.00, 0.02, 0.07, 0.04
HSL	45°, 44%, 93%
HSV	45°, 7%, 96%
XYZ	83.2343, 87.9802, 86.7163
YIQ	240.8280, 6.2360, -2.8840

Conversions

Conversions Part 2

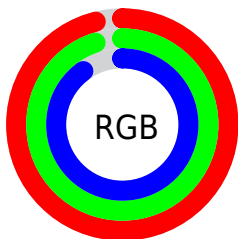
Format	Color
R _Y B	234, 245, 229
Decimal	16118245
CIE Lab	95.15, -0.74, 6.26
CIE LCh	95, 6.300, 96.770
Yxy	87.9802, 0.3227, 0.3411
Android (android.graphics.Color)	4294308325 (0xFFFF5F1E5)
YUV	240.8280, -5.8312, 3.6588
Hunter-Lab	93.7978, -5.7487, 10.8446

Details

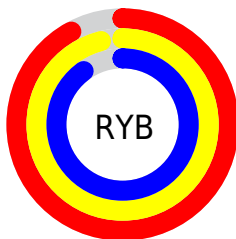
The Yxy color **87.9802, 0.3227, 0.3411** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4608, 0.3027, 0.3166**, and the grayscale version is **87.8585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5727, 0.3248, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **83.2208, 0.3391, 0.3604**, and if you desaturate by 10%, it is **93.0570, 0.3076, 0.3227**.

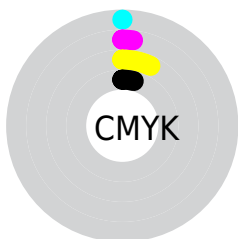
Distribution



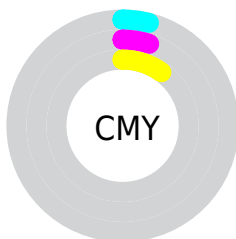
- Red (96%)
- Green (95%)
- Blue (90%)



- Red (92%)
- Yellow (96%)
- Blue (90%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (4%)





- Cyan (4%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9802, 0.3227, 0.3411 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 87.9802, 0.3227, 0.3411 by changing the saturation by 10% instead.


 87.9802, 0.3227,
0.3411

 87.9802, 0.3227,
0.3411

521.4384, 0.3182,
0.3357

 66.3067, 0.3237,
0.3423


144.5296, 0.3212,
0.3393

 48.5214, 0.3249,
0.3438


180.1742, 0.3206,
0.3385

 34.2400, 0.3264,
0.3456


221.2447, 0.3201,
0.3379

 23.0780, 0.3283,
0.3479

268.1254, 0.3196,
0.3373

 14.6511, 0.3308,
0.3510

321.2008, 0.3192,
0.3369

 8.5749, 0.3344,
0.3554

380.8551, 0.3188,

 4.4650, 0.3396,

0.3364

0.3618

447.4728, 0.3185,
0.3360

■ 1.9369, 0.3481,
0.3723

■ 0.5704, 0.4100,
0.4463

■ 87.9802, 0.3227,
0.3411

■ 87.9802, 0.3227,
0.3411

■ 83.2208, 0.3391,
0.3604

■ 93.0570, 0.3076,
0.3227

■ 78.7581, 0.3568,
0.3802

■ 96.8790, 0.3066,
0.3271

■ 74.5863, 0.3752,
0.3999

■ 98.1395, 0.3065,
0.3290

■ 70.6950, 0.3941,
0.4186

■ 67.0728, 0.4127,
0.4355

■ 63.7074, 0.4303,
0.4493

■ 60.5849, 0.4458,
0.4592

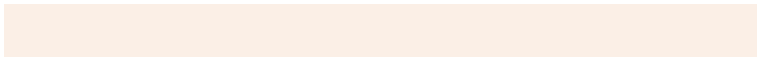
■ 57.6890, 0.4587,
0.4643

■ 55.0000, 0.4685,
0.4645

Harmonies

Analogous

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



87.9802, 0.3263, 0.3380



87.9802, 0.3227, 0.3411



87.9802, 0.3164, 0.3409

Triad

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



87.9802, 0.3227, 0.3411



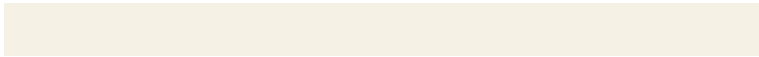
87.9802, 0.2994, 0.3252



87.9802, 0.3161, 0.3208

Complementary

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



87.9802, 0.3227, 0.3411



81.4608, 0.3027, 0.3166

Split Complementary

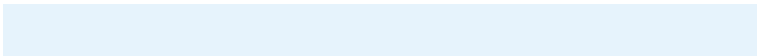
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9802, 0.3089, 0.3174



87.9802, 0.3227, 0.3411



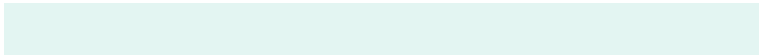
87.9802, 0.2993, 0.3199

Square

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



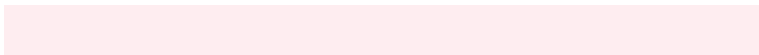
87.9802, 0.3227, 0.3411



87.9802, 0.3030, 0.3316



87.9802, 0.3028, 0.3171



87.9802, 0.3225, 0.3263

Rectangle

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



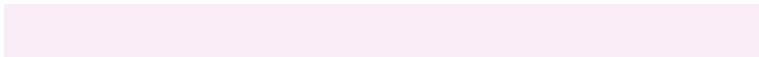
87.9802, 0.3227, 0.3411



87.9802, 0.3116, 0.3389



87.9802, 0.3028, 0.3171



87.9802, 0.3137, 0.3194

Sweetspot

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



87.9840, 0.3227, 0.3411



98.8823, 0.3157, 0.3327



81.3154, 0.3212, 0.3250



21.1767, 0.3156, 0.3325



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.



87.9840, 0.3227, 0.3411



95.6118, 0.3251, 0.3440



89.6089, 0.3197, 0.3451



18.5865, 0.3275, 0.3468



29.3917, 0.4704, 0.4647



2.7430, 0.4626, 0.4709

Inverse Universe

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



81.4608, 0.3027, 0.3166



86.8939, 0.3003, 0.3136



79.9418, 0.3054, 0.3127



16.5851, 0.2979, 0.3106



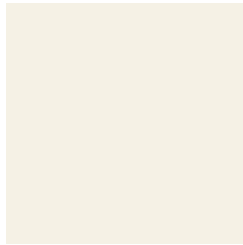
5.4701, 0.1577, 0.0877



0.6357, 0.1641, 0.1107

Previews

White Background



This preview shows how the Yxy color 87.9802, 0.3227, 0.3411 looks on a white background.

Color Contrast Check

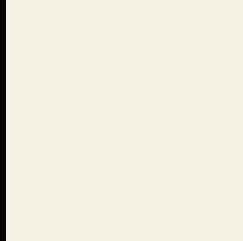
Large Text (above 18pt) WCAG AA × Fail

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 87.9802, 0.3227, 0.3411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

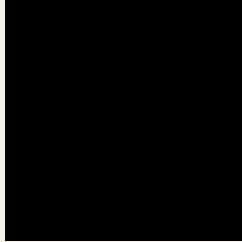
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.9802, 0.3227, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 87.9802, 0.3227, 0.3411.

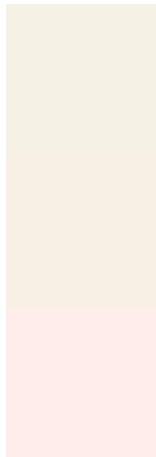


This preview shows how white text looks on a background with the Yxy color 87.9802, 0.3227, 0.3411.

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

87.9802, 0.3227, 0.3411

Protanopia

87.8781, 0.3255, 0.3410

Deuteranopia

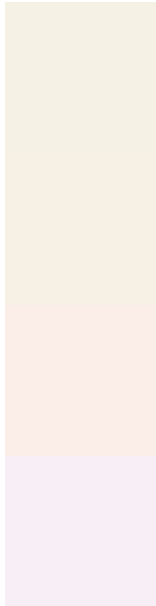
87.8845, 0.3254, 0.3300



Tritanopia

87.7448, 0.3089, 0.3114

Trichromacy



Original Color

87.9802, 0.3227, 0.3411

Protanomaly

87.6958, 0.3248, 0.3410

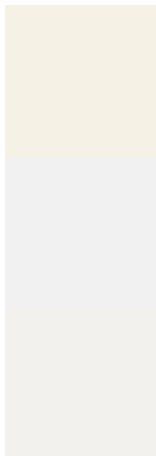
Deuteranomaly

87.5415, 0.3245, 0.3340

Tritanomaly

87.5770, 0.3137, 0.3211

Monochromacy



Original Color

87.9802, 0.3227, 0.3411

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9023, 0.3158, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9802, 0.3227, 0.3411 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(245, 241, 229) looks like.

```
.text, #text, p{  
    color:rgb(245, 241, 229)  
}
```

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(245, 241, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 241, 229) }
```

Border

The CSS property to change the border of an element to Yxy 87.9802, 0.3227, 0.3411 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(245, 241, 229) }
```

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

```
.border{ border-color:rgb(245, 241, 229) }
```

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

Here you see how a box with a 4 pixel rgb(245, 241, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 241, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 241, 229);  
box-shadow:4px 4px 4px 4px rgb(245, 241,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9802, 0.3227, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 241, 229) }
```

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

```
.background{ background-color: rgb(245,  
241, 229) }
```

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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