

Converting Colors

$Yxy(87.3108, 0.3165, 0.3307)$

Have a look what the booklet for
Yxy(87.3108, 0.3165, 0.3307)
contains.

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Color

Yxy(87.1391, 0.3166, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	F4EFEE
RGB	244, 239, 238
RGB Percent	96%, 94%, 93%
CMY	0.0433, 0.0627, 0.0666
CMYK	0.00, 0.02, 0.02, 0.04
HSL	10°, 21%, 95%
HSV	10°, 2%, 96%
XYZ	83.6007, 87.1391, 93.3181
YIQ	240.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

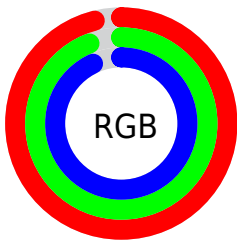
Format	Color
R _Y B	244, 239, 238
Decimal	16052206
CIE Lab	94.80, 1.49, 1.05
CIE LCh	95, 1.825, 35.271
Yxy	87.1391, 0.3166, 0.3300
Android (android.graphics.Color)	4294242286 (0xFF4EFEE)
YUV	240.3810, -1.1738, 3.1739
Hunter-Lab	93.3483, -3.4989, 6.0731

Details

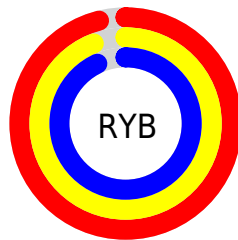
The Yxy color **87.1391, 0.3166, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.7964, 0.3089, 0.3280**, and the grayscale version is **87.4588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9357, 0.3178, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **74.5643, 0.3347, 0.3343**, and if you desaturate by 10%, it is **97.9671, 0.3059, 0.3290**.

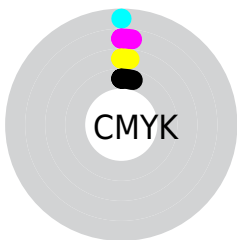
Distribution



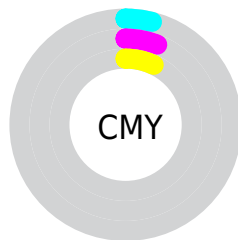
- Red (96%)
- Green (94%)
- Blue (93%)



- Red (96%)
- Yellow (94%)
- Blue (93%)



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





- Cyan (4%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1391, 0.3166, 0.3300 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 87.1391, 0.3166, 0.3300 by changing the saturation by 10% instead.


 87.1391, 0.3166,
0.3300

 87.1391, 0.3166,
0.3300

518.6798, 0.3149,
0.3296

 65.6103, 0.3170,
0.3301

143.3580, 0.3160,
0.3299

 47.9561, 0.3175,
0.3302

178.8169, 0.3158,
0.3298

 33.7922, 0.3180,
0.3304


219.6880, 0.3156,
0.3297

 22.7340, 0.3188,
0.3305

266.3557, 0.3154,
0.3297

 14.3972, 0.3198,
0.3308

319.2043, 0.3152,
0.3297

 8.3974, 0.3212,
0.3311

378.6183, 0.3151,

 4.3503, 0.3233,

0.3296

0.3316

444.9820, 0.3150,
0.3296

■ 1.8714, 0.3267,
0.3324

■ 0.5311, 0.3432,
0.3368

■ 87.1391, 0.3166,
0.3300

■ 87.1391, 0.3166,
0.3300

■ 74.5643, 0.3347,
0.3343

■ 97.9671, 0.3059,
0.3290

■ 63.4664, 0.3566,
0.3389

■ 53.7944, 0.3833,
0.3437

■ 45.4902, 0.4152,
0.3482

■ 38.4916, 0.4524,
0.3522

■ 32.7316, 0.4940,
0.3547

■ 28.1370, 0.5372,
0.3551

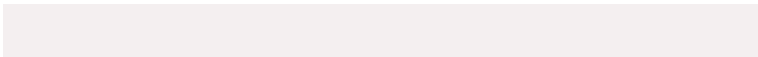
■ 24.6269, 0.5774,
0.3525

■ 22.1095, 0.6091,
0.3468

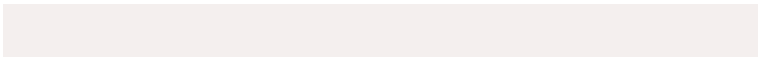
Harmonies

Analogous

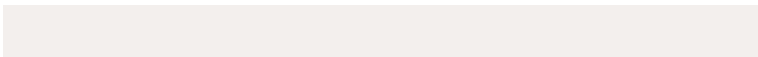
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1391, 0.3155, 0.3282



87.1391, 0.3166, 0.3300



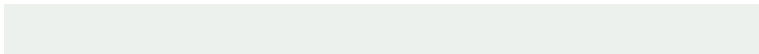
87.1391, 0.3167, 0.3316

Triad

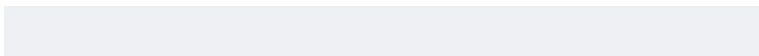
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1391, 0.3166, 0.3300



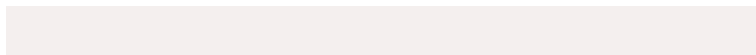
87.1391, 0.3118, 0.3315



87.1391, 0.3098, 0.3256

Complementary

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



87.1391, 0.3166, 0.3300



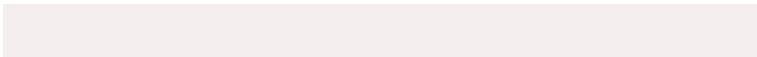
88.7964, 0.3089, 0.3280

Split Complementary

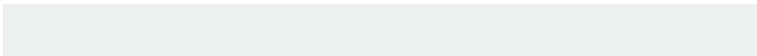
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1391, 0.3088, 0.3264



87.1391, 0.3166, 0.3300



87.1391, 0.3100, 0.3299

Square

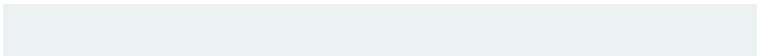
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1391, 0.3166, 0.3300



87.1391, 0.3139, 0.3325



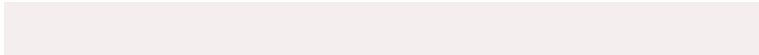
87.1391, 0.3089, 0.3280



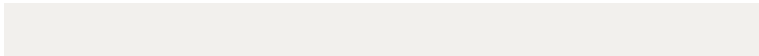
87.1391, 0.3115, 0.3256

Rectangle

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



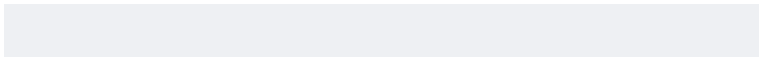
87.1391, 0.3166, 0.3300



87.1391, 0.3161, 0.3323



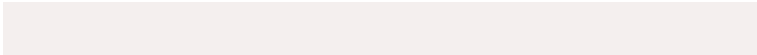
87.1391, 0.3089, 0.3280



87.1391, 0.3093, 0.3258

Sweetspot

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



87.1429, 0.3166, 0.3300



98.4889, 0.3143, 0.3294



86.8587, 0.3136, 0.3241



21.0966, 0.3142, 0.3294



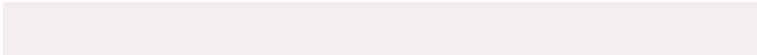
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



87.1429, 0.3166, 0.3300



95.5179, 0.3175, 0.3302



88.8968, 0.3164, 0.3330



18.4957, 0.3188, 0.3306



11.4415, 0.6233, 0.3433



1.1316, 0.6017, 0.3604

Inverse Universe

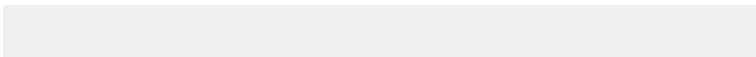
The Inverse Universe completely reimagines the original color for something new.



88.7964, 0.3089, 0.3280



97.7659, 0.3080, 0.3278



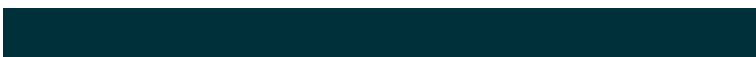
87.0329, 0.3090, 0.3250



19.0488, 0.3068, 0.3274



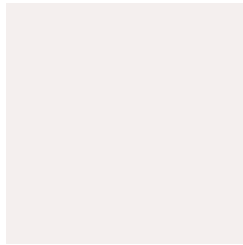
27.0210, 0.2097, 0.2749



2.4972, 0.2118, 0.2824

Previews

White Background



This preview shows how the Yxy color 87.1391, 0.3166, 0.3300 looks on a white background.

Color Contrast Check

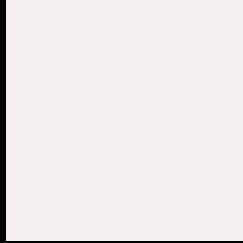
Large Text (above 18pt) WCAG AA × Fail

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 87.1391, 0.3166, 0.3300 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

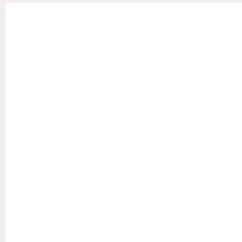
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1391, 0.3166, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 87.1391, 0.3166, 0.3300.

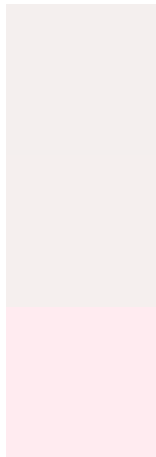


This preview shows how white text looks on a background with the Yxy color 87.1391, 0.3166, 0.3300.

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

87.1391, 0.3166, 0.3300

Protanopia

87.3185, 0.3173, 0.3300

Deuteranopia

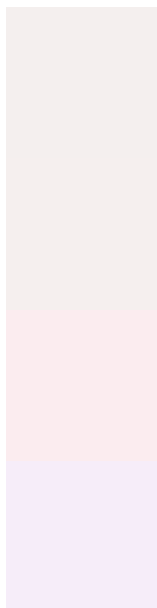
86.9679, 0.3231, 0.3241



Tritanopia

86.9851, 0.3083, 0.3104

Trichromacy



Original Color

87.1391, 0.3166, 0.3300

Protanomaly

87.3185, 0.3173, 0.3300

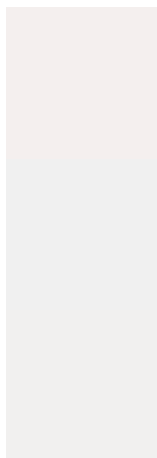
Deuteranomaly

86.7321, 0.3209, 0.3261

Tritanomaly

87.0008, 0.3113, 0.3172

Monochromacy



Original Color

87.1391, 0.3166, 0.3300

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2529, 0.3140, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1391, 0.3166, 0.3300 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(244, 239, 238)` looks like.

```
.text, #text, p{  
    color:rgb(244, 239, 238)  
}
```

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(244, 239, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 239, 238) }
```

Border

The CSS property to change the border of an element to Yxy 87.1391, 0.3166, 0.3300 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(244, 239, 238) }
```

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

```
.border{ border-color:rgb(244, 239, 238) }
```

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

Here you see how a box with a 4 pixel rgb(244, 239, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 239, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 239, 238);  
box-shadow:4px 4px 4px 4px rgb(244, 239,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1391, 0.3166, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 239, 238) }
```

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

```
.background{ background-color: rgb(244,  
239, 238) }
```

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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