

Converting Colors

$Yxy(88.1625, 0.3201, 0.3384)$

Have a look what the booklet for
Yxy(88.1625, 0.3201, 0.3384)
contains.

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Color

Yxy(87.9699, 0.3202, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	F4F1E8
RGB	244, 241, 232
RGB Percent	96%, 95%, 91%
CMY	0.0431, 0.0549, 0.0900
CMYK	0.00, 0.01, 0.05, 0.04
HSL	45°, 35%, 93%
HSV	45°, 5%, 96%
XYZ	83.3372, 87.9699, 88.9589
YIQ	240.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

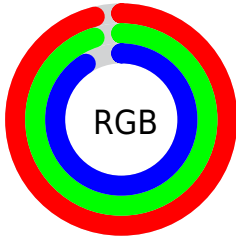
Format	Color
R _Y B	236, 244, 232
Decimal	16052712
CIE Lab	95.15, -0.53, 4.66
CIE LCh	95, 4.694, 96.445
Yxy	87.9699, 0.3202, 0.3380
Android (android.graphics.Color)	4294242792 (0xFF4F1E8)
YUV	240.8710, -4.3734, 2.7441
Hunter-Lab	93.7923, -5.5340, 9.4200

Details

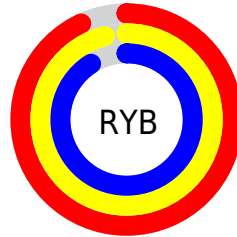
The Yxy color **87.9699, 0.3202, 0.3380** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.1446, 0.3052, 0.3198**, and the grayscale version is **87.8943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5239, 0.3223, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **83.1017, 0.3365, 0.3570**, and if you desaturate by 10%, it is **93.0681, 0.3061, 0.3213**.

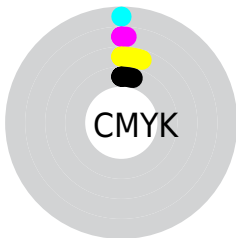
Distribution



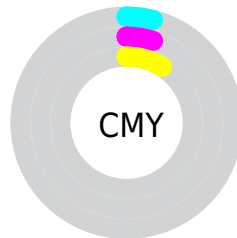
- Red (96%)
- Green (95%)
- Blue (91%)



- Red (93%)
- Yellow (96%)
- Blue (91%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (4%)



- Cyan (4%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9699, 0.3202, 0.3380 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 87.9699, 0.3202, 0.3380 by changing the saturation by 10% instead.

87.9699, 0.3202,
0.3380

87.9699, 0.3202,
0.3380

521.4047, 0.3169,
0.3340

66.2981, 0.3209,
0.3389

144.5153, 0.3191,
0.3366

48.5145, 0.3218,
0.3400

180.1576, 0.3186,
0.3361

34.2345, 0.3230,
0.3413

221.2257, 0.3182,
0.3356

23.0738, 0.3244,
0.3431

268.1038, 0.3179,
0.3352

14.6480, 0.3263,
0.3454

321.1763, 0.3176,
0.3348

8.5727, 0.3290,
0.3486

380.8277, 0.3173,

4.4636, 0.3329,

0.3345

0.3534

447.4424, 0.3171,
0.3342

■ 1.9361, 0.3393,
0.3612

■ 0.5699, 0.3796,
0.4091

■ 87.9699, 0.3202,
0.3380

■ 87.9699, 0.3202,
0.3380

■ 83.1017, 0.3365,
0.3570

■ 93.0681, 0.3061,
0.3213

■ 78.5360, 0.3540,
0.3766

■ 96.8951, 0.3060,
0.3273

■ 74.2671, 0.3725,
0.3962

■ 97.9761, 0.3060,
0.3290

■ 70.2847, 0.3915,
0.4150

■ 66.5776, 0.4104,
0.4321

■ 63.1336, 0.4284,
0.4463

■ 59.9390, 0.4446,
0.4568

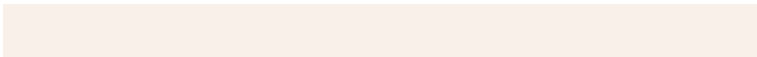
■ 56.9783, 0.4582,
0.4625

■ 54.2324, 0.4688,
0.4634

Harmonies

Analogous

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



87.9699, 0.3228, 0.3357



87.9699, 0.3202, 0.3380



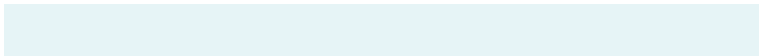
87.9699, 0.3156, 0.3379

Triad

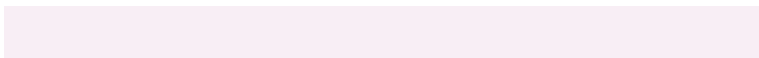
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9699, 0.3202, 0.3380



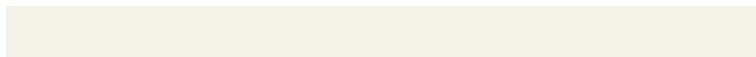
87.9699, 0.3028, 0.3262



87.9699, 0.3152, 0.3228

Complementary

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



87.9699, 0.3202, 0.3380



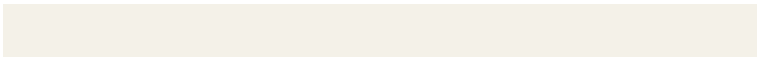
83.1446, 0.3052, 0.3198

Split Complementary

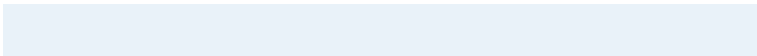
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9699, 0.3098, 0.3203



87.9699, 0.3202, 0.3380



87.9699, 0.3027, 0.3222

Square

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



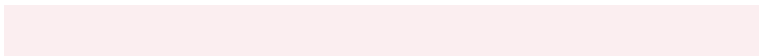
87.9699, 0.3202, 0.3380



87.9699, 0.3055, 0.3310



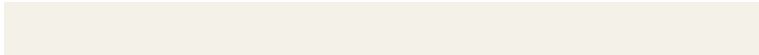
87.9699, 0.3053, 0.3201



87.9699, 0.3199, 0.3270

Rectangle

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



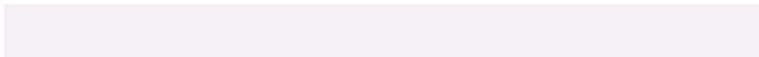
87.9699, 0.3202, 0.3380



87.9699, 0.3120, 0.3364



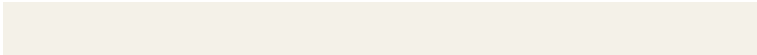
87.9699, 0.3053, 0.3201



87.9699, 0.3134, 0.3218

Sweetspot

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



87.9737, 0.3202, 0.3380



99.4275, 0.3142, 0.3308



82.9826, 0.3188, 0.3258



21.2876, 0.3141, 0.3307



0.0000, 0.0000, 0.0000



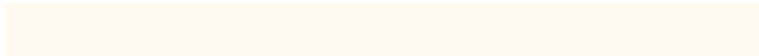
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9737, 0.3202, 0.3380



96.6177, 0.3219, 0.3401



89.2796, 0.3181, 0.3411



18.8688, 0.3229, 0.3412



28.9906, 0.4722, 0.4632



2.7107, 0.4641, 0.4697

Inverse Universe

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



83.1446, 0.3052, 0.3198



90.1274, 0.3035, 0.3177



81.9014, 0.3071, 0.3168



17.4700, 0.3025, 0.3165



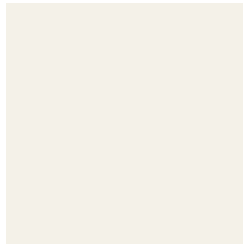
5.5780, 0.1581, 0.0892



0.6477, 0.1646, 0.1124

Previews

White Background



This preview shows how the Yxy color 87.9699, 0.3202, 0.3380 looks on a white background.

Color Contrast Check

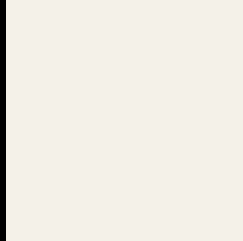
Large Text (above 18pt) WCAG AA × Fail

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 87.9699, 0.3202, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

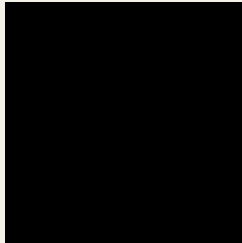
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

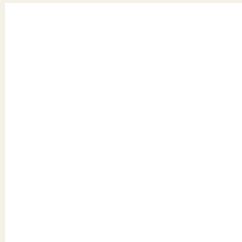
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9699, 0.3202, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 87.9699, 0.3202, 0.3380.

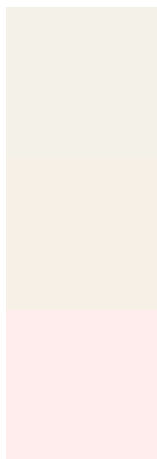


This preview shows how white text looks on a background with the Yxy color 87.9699, 0.3202, 0.3380.

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

87.9699, 0.3202, 0.3380

Protanopia

87.8639, 0.3229, 0.3380

Deuteranopia

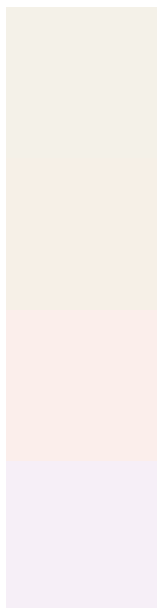
87.9428, 0.3248, 0.3290



Tritanopia

88.1432, 0.3083, 0.3124

Trichromacy



Original Color

87.9699, 0.3202, 0.3380

Protanomaly

87.6825, 0.3223, 0.3380

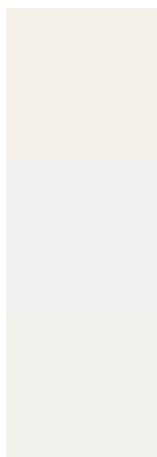
Deuteranomaly

87.6565, 0.3233, 0.3320

Tritanomaly

88.0412, 0.3124, 0.3211

Monochromacy



Original Color

87.9699, 0.3202, 0.3380

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9609, 0.3152, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9699, 0.3202, 0.3380 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 $rgb(244, 241, 232)$ looks like.

```
.text, #text, p{  
    color:rgb(244, 241, 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(244, 241, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 241, 232) }
```

Border

The CSS property to change the border of an element to Yxy 87.9699, 0.3202, 0.3380 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, 241, 232) }
```

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

```
.border{ border-color:rgb(244, 241, 232) }
```

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

Here you see how a box with a 4 pixel rgb(244, 241, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 241, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 241, 232);  
box-shadow:4px 4px 4px 4px rgb(244, 241,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9699, 0.3202, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 241, 232) }
```

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

```
.background{ background-color: rgb(244,  
241, 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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