

Converting Colors

$Y_{xy}(87.2432, 0.3240, 0.3349)$

Have a look what the booklet for
Yxy(87.2432, 0.3240, 0.3349)
contains.

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Color

Yxy(87.1150, 0.3238, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	F9EEE8
RGB	249, 238, 232
RGB Percent	98%, 93%, 91%
CMY	0.0236, 0.0666, 0.0902
CMYK	0.00, 0.04, 0.07, 0.02
HSL	21°, 59%, 94%
HSV	21°, 7%, 98%
XYZ	84.2025, 87.1150, 88.7273
YIQ	240.6050, 8.4820, 0.4660

Conversions

Conversions Part 2

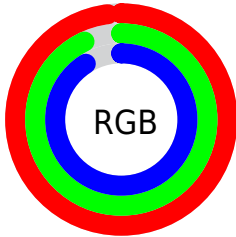
Format	Color
R_{YB}	249, 241, 232
Decimal	16379624
CIE Lab	94.79, 2.68, 4.20
CIE LCh	95, 4.986, 57.476
Yxy	87.1150, 0.3238, 0.3350
Android (android.graphics.Color)	4294569704 (0xFF99EE8)
YUV	240.6050, -4.2423, 7.3624
Hunter-Lab	93.3354, -2.3033, 8.9720

Details

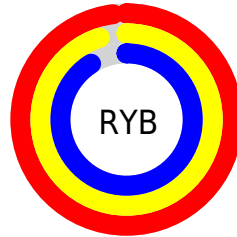
The Yxy color $87.1150, 0.3238, 0.3350$ is a light color, and the websafe version is hex FFFFFF. A complement of this color would be $88.0848, 0.3022, 0.3229$, and the grayscale version is $87.6663, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.9279, 0.3270, 0.3367$ is the 20% darker color. If you saturate the color by 10%, you get $76.8458, 0.3425, 0.3443$, and if you desaturate by 10%, it is $98.3064, 0.3090, 0.3281$.

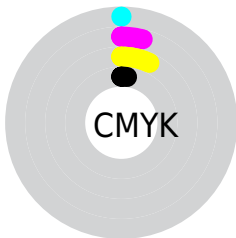
Distribution



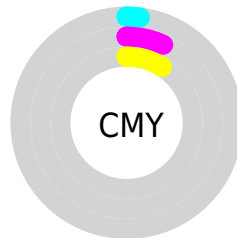
- Red (98%)
- Green (93%)
- Blue (91%)



- Red (98%)
- Yellow (95%)
- Blue (91%)



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





- Cyan (2%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1150, 0.3238, 0.3350 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 87.1150, 0.3238, 0.3350 by changing the saturation by 10% instead.

 87.1150, 0.3238,
0.3350

 87.1150, 0.3238,
0.3350

518.6007, 0.3188,
0.3323

 65.5904, 0.3249,
0.3356

143.3244, 0.3221,
0.3341

 47.9400, 0.3263,
0.3363


178.7780, 0.3214,
0.3337

 33.7793, 0.3279,
0.3372


219.6434, 0.3209,
0.3334

 22.7241, 0.3301,
0.3383

266.3049, 0.3203,
0.3332

 14.3899, 0.3330,
0.3398

319.1470, 0.3199,
0.3329

 8.3924, 0.3370,
0.3419

378.5541, 0.3195,

 4.3470, 0.3430,

0.3327

0.3449

444.9105, 0.3191,
0.3325

■ 1.8695, 0.3530,
0.3497

■ 0.5300, 0.4118,
0.3834

■ 87.1150, 0.3238,
0.3350

■ 87.1150, 0.3238,
0.3350

■ 76.8458, 0.3425,
0.3443

■ 98.3064, 0.3090,
0.3281

■ 67.5808, 0.3644,
0.3540

■ 98.8762, 0.3090,
0.3290

■ 59.2921, 0.3898,
0.3639

■ 51.9461, 0.4190,
0.3732

■ 45.5074, 0.4514,
0.3811

■ 39.9381, 0.4859,
0.3866

■ 35.1970, 0.5206,
0.3882

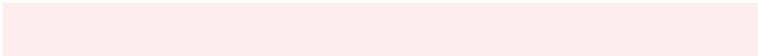
■ 31.2389, 0.5523,
0.3849

■ 28.0124, 0.5783,
0.3765

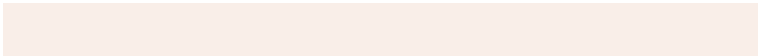
Harmonies

Analogous

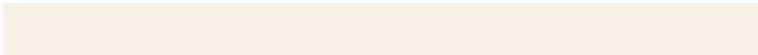
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1150, 0.3228, 0.3304



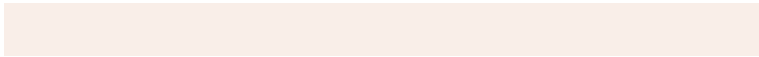
87.1150, 0.3238, 0.3350



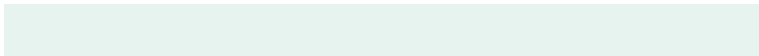
87.1150, 0.3218, 0.3381

Triad

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



87.1150, 0.3238, 0.3350



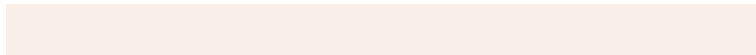
87.1150, 0.3064, 0.3327



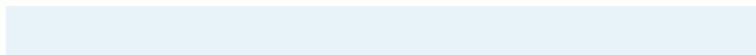
87.1150, 0.3080, 0.3194

Complementary

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



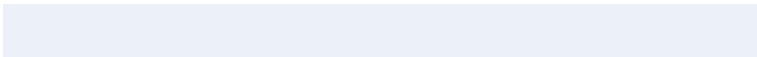
87.1150, 0.3238, 0.3350



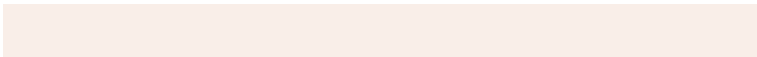
88.0848, 0.3022, 0.3229

Split Complementary

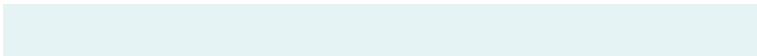
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1150, 0.3037, 0.3200



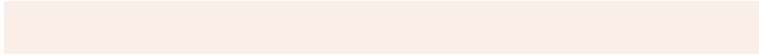
87.1150, 0.3238, 0.3350



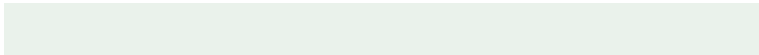
87.1150, 0.3028, 0.3276

Square

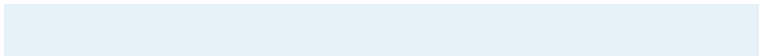
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1150, 0.3238, 0.3350



87.1150, 0.3117, 0.3368



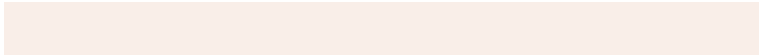
87.1150, 0.3018, 0.3229



87.1150, 0.3136, 0.3214

Rectangle

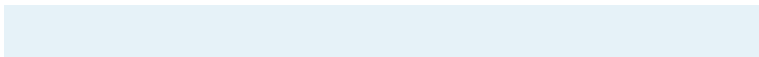
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1150, 0.3238, 0.3350



87.1150, 0.3191, 0.3389



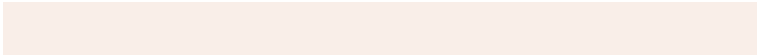
87.1150, 0.3018, 0.3229



87.1150, 0.3064, 0.3193

Sweetspot

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



87.1188, 0.3238, 0.3350



97.5906, 0.3158, 0.3307



84.3288, 0.3172, 0.3181



20.9137, 0.3157, 0.3306



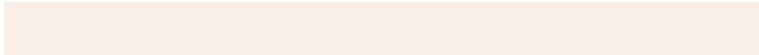
0.0000, 0.0000, 0.0000



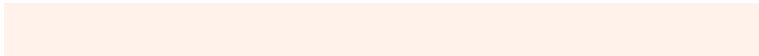
21.4041, 0.3127, 0.3290

Same Dimension

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



87.1188, 0.3238, 0.3350



90.6287, 0.3259, 0.3361



92.1396, 0.3231, 0.3433



18.2294, 0.3285, 0.3374



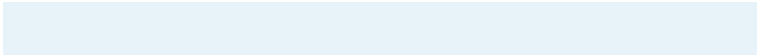
14.7628, 0.5827, 0.3756



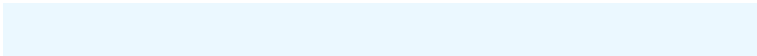
1.5587, 0.5599, 0.3936

Inverse Universe

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



88.0848, 0.3022, 0.3229



91.8174, 0.3003, 0.3218



83.1585, 0.3022, 0.3143



18.5152, 0.2980, 0.3204



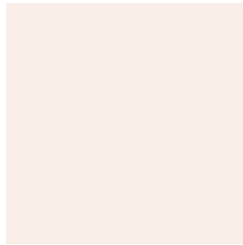
17.5728, 0.1913, 0.2087



1.8270, 0.1958, 0.2247

Previews

White Background



This preview shows how the Yxy color 87.1150, 0.3238, 0.3350 looks on a white background.

Color Contrast Check

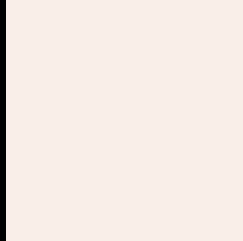
Large Text (above 18pt) WCAG AA × Fail

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 87.1150, 0.3238, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

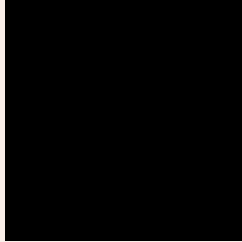
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

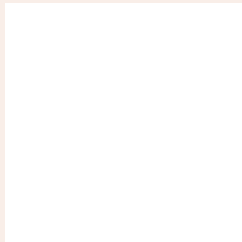
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1150, 0.3238, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 87.1150, 0.3238, 0.3350.

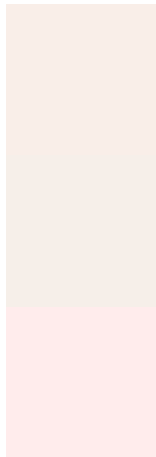


This preview shows how white text looks on a background with the Yxy color 87.1150, 0.3238, 0.3350.

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

87.1150, 0.3238, 0.3350

Protanopia

87.2090, 0.3211, 0.3350

Deuteranopia

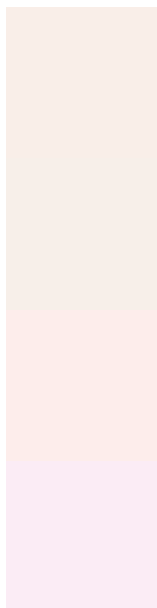
87.3070, 0.3255, 0.3290



Tritanopia

87.2040, 0.3129, 0.3115

Trichromacy



Original Color

87.1150, 0.3238, 0.3350

Protanomaly

87.3904, 0.3218, 0.3350

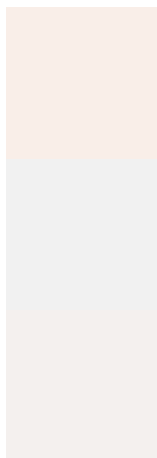
Deuteranomaly

87.4492, 0.3247, 0.3310

Tritanomaly

87.0927, 0.3171, 0.3202

Monochromacy



Original Color

87.1150, 0.3238, 0.3350

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.7263, 0.3166, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1150, 0.3238, 0.3350 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(249, 238, 232)` looks like.

```
.text, #text, p{  
    color:rgb(249, 238, 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(249, 238, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 238, 232) }
```

Border

The CSS property to change the border of an element to Yxy 87.1150, 0.3238, 0.3350 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(249, 238, 232) }
```

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

```
.border{ border-color:rgb(249, 238, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 238, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 238, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 238, 232);  
box-shadow:4px 4px 4px 4px rgb(249, 238,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1150, 0.3238, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 238, 232) }
```

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

```
.background{ background-color: rgb(249,  
238, 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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