

Converting Colors

$Yxy(87.5849, 0.3246, 0.3489)$

Have a look what the booklet for
Yxy(87.5849, 0.3246, 0.3489)
contains.

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Color

Yxy(87.6554, 0.3250, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	F2F2DE
RGB	242, 242, 222
RGB Percent	95%, 95%, 87%
CMY	0.0509, 0.0510, 0.1294
CMYK	0.00, 0.00, 0.08, 0.05
HSL	60°, 43%, 91%
HSV	60°, 8%, 95%
XYZ	81.5574, 87.6554, 81.7331
YIQ	239.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

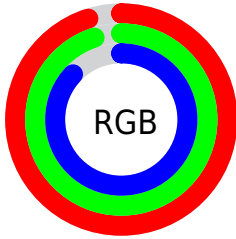
Format	Color
R_{YB}	222, 242, 222
Decimal	15921886
CIE Lab	95.02, -3.39, 9.64
CIE LCh	95, 10.219, 109.353
Yxy	87.6554, 0.3250, 0.3493
Android (android.graphics.Color)	4294111966 (0xFFFF2F2DE)
YUV	239.7200, -8.7360, 1.9996
Hunter-Lab	93.6245, -8.3493, 13.7776

Details

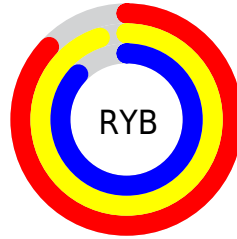
The Yxy color **87.6554, 0.3250, 0.3493** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.1923, 0.2999, 0.3079**, and the grayscale version is **86.9765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3469, 0.3277, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **86.4497, 0.3402, 0.3745**, and if you desaturate by 10%, it is **89.0550, 0.3102, 0.3248**.

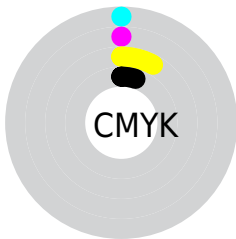
Distribution



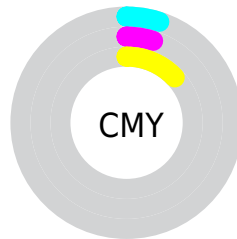
- Red (95%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)



- Cyan (5%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6554, 0.3250, 0.3493 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 87.6554, 0.3250, 0.3493 by changing the saturation by 10% instead.

87.6554, 0.3250,
0.3493

87.6554, 0.3250,
0.3493

520.3741, 0.3195,
0.3402

66.0377, 0.3262,
0.3513

144.0773, 0.3231,
0.3462

48.3030, 0.3277,
0.3538

179.6503, 0.3224,
0.3449

34.0669, 0.3295,
0.3569

220.6439, 0.3218,
0.3439

22.9450, 0.3318,
0.3609

267.4424, 0.3212,
0.3429

14.5529, 0.3348,
0.3663

320.4303, 0.3207,
0.3421

8.5062, 0.3390,
0.3737

379.9920, 0.3203,

4.4205, 0.3452,

0.3414

0.3849

446.5118, 0.3199,
0.3407

■ 1.9115, 0.3549,
0.4033

■ 0.5553, 0.4449,
0.5551

■ 87.6554, 0.3250,
0.3493

■ 87.6554, 0.3250,
0.3493

■ 86.4497, 0.3402,
0.3745

■ 89.0550, 0.3102,
0.3248

■ 85.4185, 0.3555,
0.3997


■ 89.6118, 0.3050,
0.3162

■ 84.5573, 0.3702,
0.4240

■ 89.6152, 0.3050,
0.3162


■ 83.8568, 0.3838,
0.4465


■ 89.6187, 0.3050,
0.3162


 83.3071, 0.3957,
0.4662


 89.6222, 0.3050,
0.3162

 82.8970, 0.4054,
0.4822

 89.6257, 0.3050,
0.3162


 82.6138, 0.4126,
0.4940

 89.6292, 0.3050,
0.3162

 82.4427, 0.4170,
0.5014

 89.6327, 0.3050,
0.3163

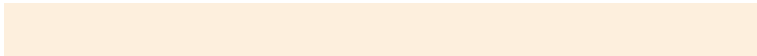
 82.3627, 0.4191,
0.5048

 89.6361, 0.3050,
0.3163

Harmonies

Analogous

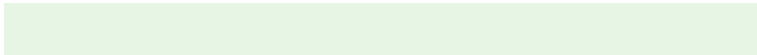
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6554, 0.3330, 0.3463



87.6554, 0.3250, 0.3493



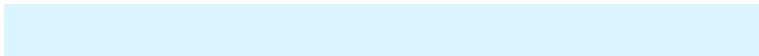
87.6554, 0.3138, 0.3467

Triad

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



87.6554, 0.3250, 0.3493



87.6554, 0.2904, 0.3187



87.6554, 0.3229, 0.3192

Complementary

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



87.6554, 0.3250, 0.3493



74.1923, 0.2999, 0.3079

Split Complementary

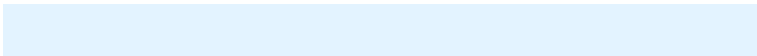
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6554, 0.3113, 0.3121



87.6554, 0.3250, 0.3493



87.6554, 0.2927, 0.3117

Square

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



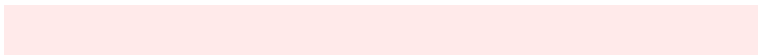
87.6554, 0.3250, 0.3493



87.6554, 0.2940, 0.3288



87.6554, 0.3003, 0.3093



87.6554, 0.3318, 0.3288

Rectangle

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



87.6554, 0.3250, 0.3493



87.6554, 0.3061, 0.3421



87.6554, 0.3003, 0.3093



87.6554, 0.3192, 0.3164

Sweetspot

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



87.6592, 0.3250, 0.3493



99.6751, 0.3157, 0.3339



76.4184, 0.3268, 0.3287



21.3380, 0.3155, 0.3336



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.



87.6592, 0.3250, 0.3493



98.4612, 0.3277, 0.3537



85.9965, 0.3185, 0.3497



18.4584, 0.3268, 0.3523



44.2377, 0.4194, 0.5052



3.6804, 0.4194, 0.5052

Inverse Universe

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



74.1923, 0.2999, 0.3079



80.2795, 0.2970, 0.3030



75.7602, 0.3065, 0.3083



15.2294, 0.2979, 0.3046



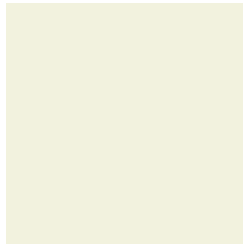
3.4449, 0.1500, 0.0600



0.2868, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 87.6554, 0.3250, 0.3493 looks on a white background.

Color Contrast Check

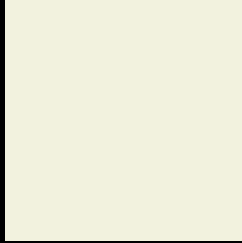
Large Text (above 18pt) WCAG AA × Fail

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 87.6554, 0.3250, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

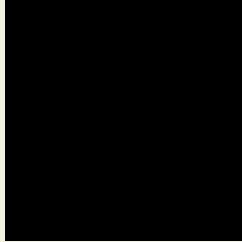
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

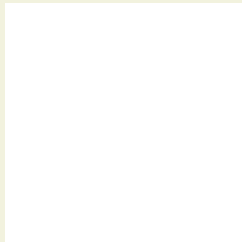
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6554, 0.3250, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 87.6554, 0.3250, 0.3493.

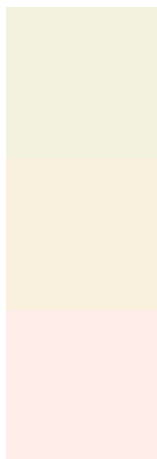


This preview shows how white text looks on a background with the Yxy color 87.6554, 0.3250, 0.3493.

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

87.6554, 0.3250, 0.3493

Protanopia

87.6804, 0.3306, 0.3481

Deuteranopia

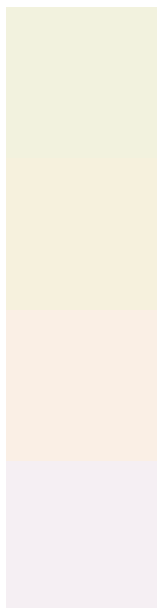
87.7116, 0.3274, 0.3330



Tritanopia

87.5625, 0.3083, 0.3114

Trichromacy



Original Color

87.6554, 0.3250, 0.3493

Protanomaly

87.7239, 0.3284, 0.3492

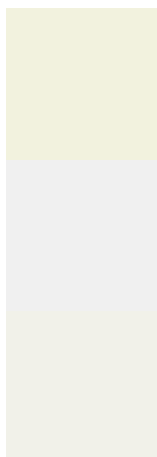
Deuteranomaly

87.7141, 0.3263, 0.3390

Tritanomaly

87.6165, 0.3142, 0.3250

Monochromacy



Original Color

87.6554, 0.3250, 0.3493

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.4946, 0.3176, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6554, 0.3250, 0.3493 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, 242, 222)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 222)  
}
```

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, 242, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 222) }
```

Border

The CSS property to change the border of an element to Yxy 87.6554, 0.3250, 0.3493 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, 242, 222) }
```

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

```
.border{ border-color:rgb(242, 242, 222) }
```

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

Here you see how a box with a 4 pixel rgb(242, 242, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 222);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6554, 0.3250, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 222) }
```

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

```
.background{ background-color: rgb(242,  
242, 222) }
```

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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