

Converting Colors

$Y_{xy}(87.7022, 0.3254, 0.3542)$

Have a look what the booklet for
Yxy(87.7022, 0.3254, 0.3542)
contains.

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Color

Yxy(87.6884, 0.3260, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	F0F3DA
RGB	240, 243, 218
RGB Percent	94%, 95%, 85%
CMY	0.0589, 0.0470, 0.1449
CMYK	0.01, 0.00, 0.10, 0.05
HSL	67°, 51%, 90%
HSV	67°, 10%, 95%
XYZ	80.6387, 87.6884, 79.0309
YIQ	239.2530, 6.2370, -8.4110

Conversions

Conversions Part 2

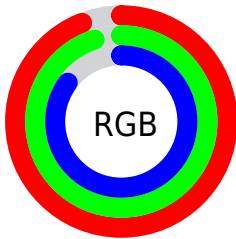
Format	Color
RYB	218, 243, 221
Decimal	15791066
CIELab	95.03, -5.24, 11.69
CIELCh	95, 12.811, 114.131
Yxy	87.6884, 0.3260, 0.3545
Android (android.graphics.Color)	4293981146 (0xFFFF0F3DA)
YUV	239.2530, -10.4777, 0.6551
Hunter-Lab	93.6421, -10.1606, 15.5106

Details

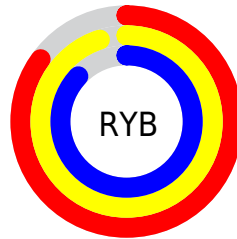
The Yxy color $87.6884, 0.3260, 0.3545$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $72.0182, 0.2987, 0.3025$, and the grayscale version is $86.6052, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.3753, 0.3290, 0.3605$ is the 20% darker color. If you saturate the color by 10%, you get $85.9994, 0.3392, 0.3803$, and if you desaturate by 10%, it is $89.5800, 0.3131, 0.3297$.

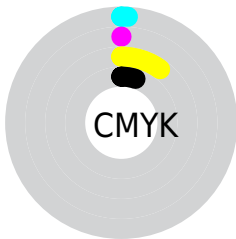
Distribution



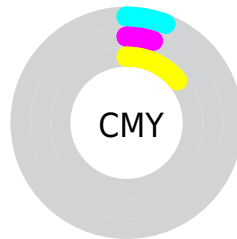
- Red (94%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (6%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6884, 0.3260, 0.3545 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 87.6884, 0.3260, 0.3545 by changing the saturation by 10% instead.


 87.6884, 0.3260,
0.3545

 87.6884, 0.3260,
0.3545

520.4823, 0.3201,
0.3430

 66.0650, 0.3273,
0.3571


144.1233, 0.3240,
0.3506

 48.3252, 0.3288,
0.3602


179.7036, 0.3232,
0.3490

 34.0845, 0.3308,
0.3642


220.7050, 0.3225,
0.3477

 22.9585, 0.3332,
0.3692

267.5119, 0.3219,
0.3465

 14.5629, 0.3365,
0.3760

320.5086, 0.3214,
0.3455

 8.5132, 0.3408,
0.3855

380.0797, 0.3209,

 4.4250, 0.3472,

0.3445

0.3997

446.6094, 0.3205,
0.3437

■ 1.9141, 0.3568,
0.4232

■ 0.5568, 0.4189,
0.5811

■ 87.6884, 0.3260,
0.3545

■ 87.6884, 0.3260,
0.3545

■ 85.9994, 0.3392,
0.3803

■ 89.5800, 0.3131,
0.3297

■ 84.4933, 0.3521,
0.4064

■ 90.8977, 0.3074,
0.3173

■ 83.1653, 0.3645,
0.4320

■ 91.4352, 0.3093,
0.3174

■ 82.0060, 0.3756,
0.4560

■ 91.9812, 0.3112,
0.3174

81.0050, 0.3849,
0.4773

92.5357, 0.3131,
0.3175

80.1508, 0.3919,
0.4951

92.5868, 0.3133,
0.3175

79.4301, 0.3963,
0.5086

78.8272, 0.3981,
0.5175

78.3285, 0.3978,
0.5224

Harmonies

Analogous

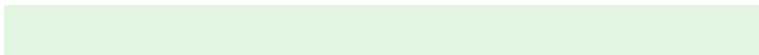
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6884, 0.3370, 0.3516



87.6884, 0.3260, 0.3545



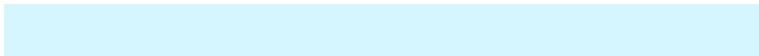
87.6884, 0.3116, 0.3502

Triad

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



87.6884, 0.3260, 0.3545



87.6884, 0.2848, 0.3142



87.6884, 0.3276, 0.3185

Complementary

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



87.6884, 0.3260, 0.3545



72.0182, 0.2987, 0.3025

Split Complementary

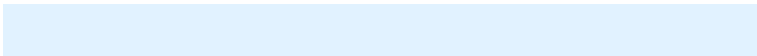
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6884, 0.3133, 0.3091



87.6884, 0.3260, 0.3545



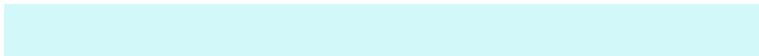
87.6884, 0.2888, 0.3064

Square

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



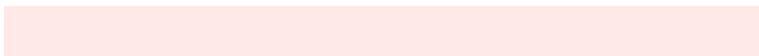
87.6884, 0.3260, 0.3545



87.6884, 0.2881, 0.3265



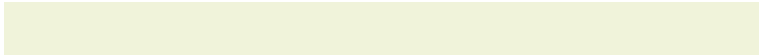
87.6884, 0.2991, 0.3046



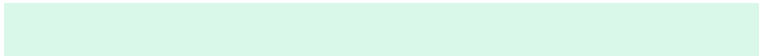
87.6884, 0.3379, 0.3307

Rectangle

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



87.6884, 0.3260, 0.3545



87.6884, 0.3021, 0.3438



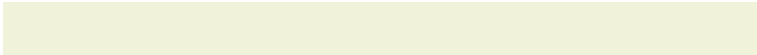
87.6884, 0.2991, 0.3046



87.6884, 0.3230, 0.3149

Sweetspot

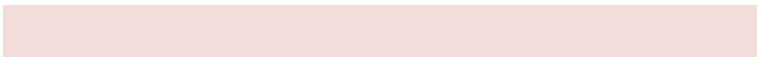
The Sweet Spot groups the original color and five complimentary colors.



87.6922, 0.3260, 0.3545



99.3413, 0.3166, 0.3363



75.8083, 0.3306, 0.3321



21.2262, 0.3176, 0.3383



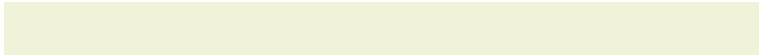
0.0000, 0.0000, 0.0000



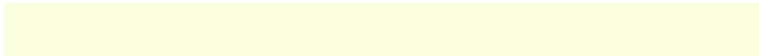
21.4041, 0.3127, 0.3290

Same Dimension

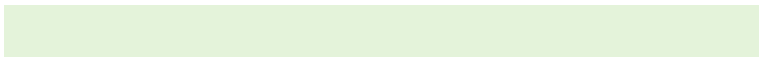
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6922, 0.3260, 0.3545



97.4857, 0.3283, 0.3590



85.6013, 0.3177, 0.3551



19.2055, 0.3250, 0.3525



43.0256, 0.3981, 0.5221



3.8097, 0.4009, 0.5199

Inverse Universe

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



72.0182, 0.2987, 0.3025



77.2594, 0.2960, 0.2976



74.0323, 0.3072, 0.3032



16.0231, 0.2998, 0.3046



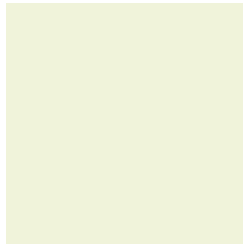
3.7290, 0.1544, 0.0624



0.3581, 0.1628, 0.0670

Previews

White Background



This preview shows how the Yxy color 87.6884, 0.3260, 0.3545 looks on a white background.

Color Contrast Check

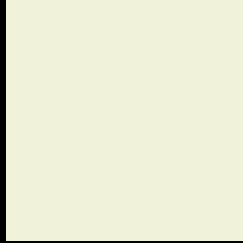
Large Text (above 18pt) WCAG AA × Fail

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 87.6884, 0.3260, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

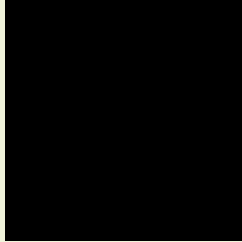
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

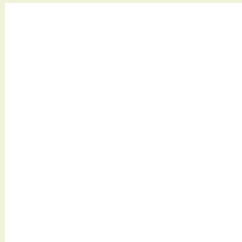
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6884, 0.3260, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 87.6884, 0.3260, 0.3545.

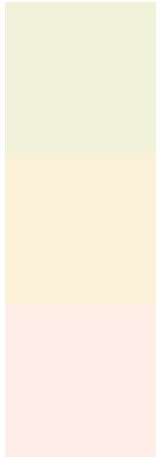


This preview shows how white text looks on a background with the Yxy color 87.6884, 0.3260, 0.3545.

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

87.6884, 0.3260, 0.3545

Protanopia

87.7873, 0.3352, 0.3531

Deuteranopia

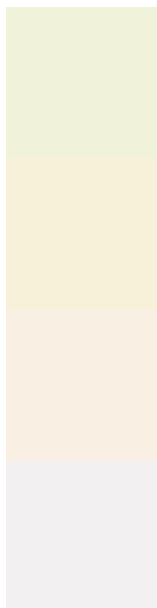
87.6546, 0.3280, 0.3340



Tritanopia

87.7815, 0.3070, 0.3123

Trichromacy



Original Color

87.6884, 0.3260, 0.3545

Protanomaly

87.6945, 0.3317, 0.3532

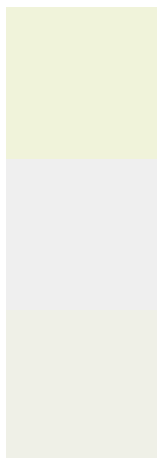
Deuteranomaly

87.6030, 0.3276, 0.3410

Tritanomaly

87.7857, 0.3135, 0.3270

Monochromacy



Original Color

87.6884, 0.3260, 0.3545

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4404, 0.3176, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6884, 0.3260, 0.3545 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(240, 243, 218)` looks like.

```
.text, #text, p{  
    color:rgb(240, 243, 218)  
}
```

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(240, 243, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 243, 218) }
```

Border

The CSS property to change the border of an element to Yxy 87.6884, 0.3260, 0.3545 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(240, 243, 218) }
```

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

```
.border{ border-color:rgb(240, 243, 218) }
```

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

Here you see how a box with a 4 pixel rgb(240, 243, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 243, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 243, 218);  
box-shadow:4px 4px 4px 4px rgb(240, 243,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6884, 0.3260, 0.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 243, 218) }
```

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

```
.background{ background-color: rgb(240,  
243, 218) }
```

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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