

Converting Colors

$Yxy(87.9024, 0.3253, 0.3538)$

Have a look what the booklet for
Yxy(87.9024, 0.3253, 0.3538)
contains.

Yxy(87.7409, 0.3254, 0.3535)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.7409, 0.3254, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	F0F3DB
RGB	240, 243, 219
RGB Percent	94%, 95%, 86%
CMY	0.0589, 0.0470, 0.1412
CMYK	0.01, 0.00, 0.10, 0.05
HSL	68°, 50%, 91%
HSV	68°, 10%, 95%
XYZ	80.7663, 87.7409, 79.6990
YIQ	239.3670, 5.9160, -8.1000

Conversions

Conversions Part 2

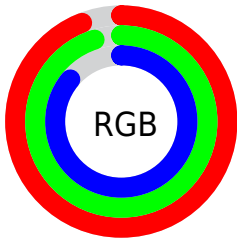
Format	Color
R _Y B	219, 243, 222
Decimal	15791067
CIE Lab	95.05, -5.08, 11.22
CIE LCh	95, 12.322, 114.365
Yxy	87.7409, 0.3254, 0.3535
Android (android.graphics.Color)	4293981147 (0xFFFF0F3DB)
YUV	239.3670, -10.0409, 0.5551
Hunter-Lab	93.6701, -10.0125, 15.1223

Details

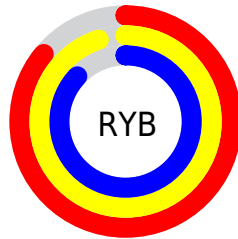
The Yxy color **87.7409, 0.3254, 0.3535** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.6736, 0.2993, 0.3036**, and the grayscale version is **86.6938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4113, 0.3282, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **86.0236, 0.3385, 0.3793**, and if you desaturate by 10%, it is **89.6618, 0.3126, 0.3287**.

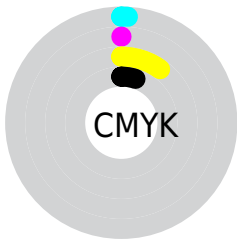
Distribution



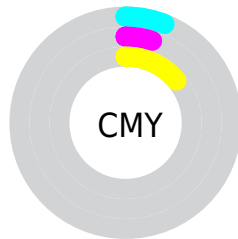
- Red (94%)
- Green (95%)
- Blue (86%)



- Red (86%)
- 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 87.7409, 0.3254, 0.3535 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 87.7409, 0.3254, 0.3535 by changing the saturation by 10% instead.


 87.7409, 0.3254,
0.3535

 87.7409, 0.3254,
0.3535


520.6544, 0.3198,
0.3424

 66.1085, 0.3266,
0.3560

144.1964, 0.3235,
0.3497

 48.3605, 0.3281,
0.3590


179.7883, 0.3227,
0.3482

 34.1125, 0.3300,
0.3628


220.8021, 0.3221,
0.3469

 22.9800, 0.3323,
0.3676

267.6223, 0.3215,
0.3458

 14.5787, 0.3354,
0.3741

320.6332, 0.3210,
0.3448

 8.5243, 0.3396,
0.3833

380.2193, 0.3205,

 4.4322, 0.3457,

0.3439

0.3969

446.7648, 0.3201,
0.3431

■ 1.9182, 0.3550,
0.4195

■ 0.5593, 0.4215,
0.5785

■ 87.7409, 0.3254,
0.3535

■ 87.7409, 0.3254,
0.3535

■ 86.0236, 0.3385,
0.3793

■ 89.6618, 0.3126,
0.3287

■ 84.4903, 0.3514,
0.4054

■ 90.9436, 0.3076,
0.3173

■ 83.1362, 0.3636,
0.4311

■ 91.5042, 0.3095,
0.3174

■ 81.9518, 0.3747,
0.4553

■ 92.0740, 0.3115,
0.3175

■ 80.9269, 0.3840,
0.4769

■ 92.5887, 0.3133,
0.3175

■ 80.0499, 0.3910,
0.4949

■ 79.3077, 0.3955,
0.5086

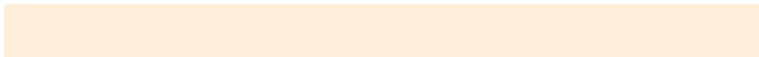
■ 78.6846, 0.3973,
0.5178

■ 78.1549, 0.3969,
0.5230

Harmonies

Analogous

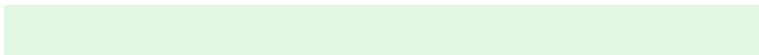
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7409, 0.3360, 0.3508



87.7409, 0.3254, 0.3535



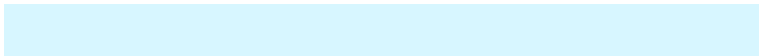
87.7409, 0.3116, 0.3493

Triad

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



87.7409, 0.3254, 0.3535



87.7409, 0.2859, 0.3148



87.7409, 0.3271, 0.3190

Complementary

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



87.7409, 0.3254, 0.3535



72.6736, 0.2993, 0.3036

Split Complementary

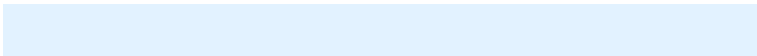
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7409, 0.3134, 0.3099



87.7409, 0.3254, 0.3535



87.7409, 0.2898, 0.3072

Square

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



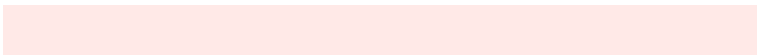
87.7409, 0.3254, 0.3535



87.7409, 0.2890, 0.3265



87.7409, 0.2998, 0.3055



87.7409, 0.3370, 0.3308

Rectangle

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



87.7409, 0.3254, 0.3535



87.7409, 0.3024, 0.3431



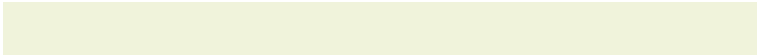
87.7409, 0.2998, 0.3055



87.7409, 0.3227, 0.3155

Sweetspot

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



87.7447, 0.3254, 0.3535



99.3341, 0.3165, 0.3363



76.3113, 0.3298, 0.3319



21.2242, 0.3176, 0.3383



0.0000, 0.0000, 0.0000



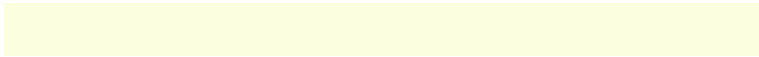
21.4041, 0.3127, 0.3290

Same Dimension

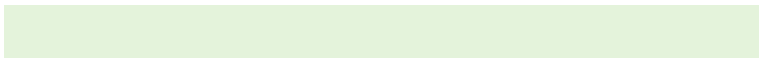
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7447, 0.3254, 0.3535



97.4572, 0.3282, 0.3590



85.7515, 0.3175, 0.3541



19.2011, 0.3249, 0.3525



42.9270, 0.3972, 0.5228



3.8020, 0.4002, 0.5205

Inverse Universe

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



72.6736, 0.2993, 0.3036



77.2845, 0.2961, 0.2976



74.5978, 0.3074, 0.3042



16.0271, 0.2999, 0.3047



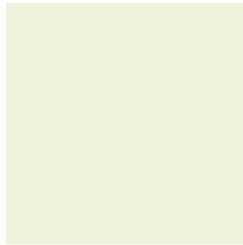
3.7401, 0.1547, 0.0626



0.3600, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 87.7409, 0.3254, 0.3535 looks on a white background.

Color Contrast Check

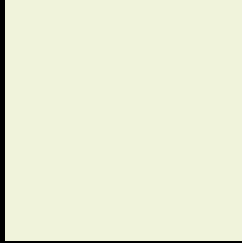
Large Text (above 18pt) WCAG AA × Fail

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 87.7409, 0.3254, 0.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

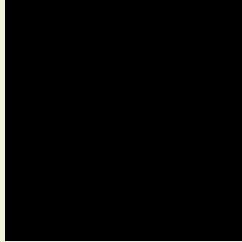
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

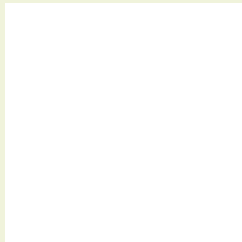
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7409, 0.3254, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 87.7409, 0.3254, 0.3535.

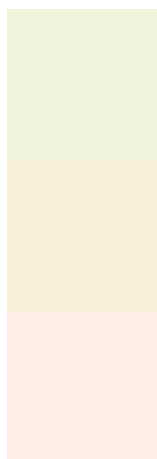


This preview shows how white text looks on a background with the Yxy color 87.7409, 0.3254, 0.3535.

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

87.7409, 0.3254, 0.3535

Protanopia

87.6539, 0.3338, 0.3521

Deuteranopia

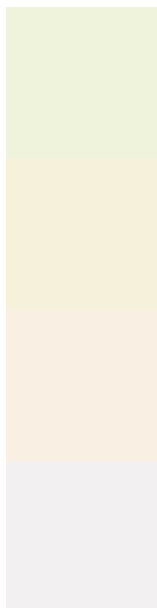
87.6546, 0.3280, 0.3340



Tritanopia

87.7815, 0.3070, 0.3123

Trichromacy



Original Color

87.7409, 0.3254, 0.3535

Protanomaly

87.5654, 0.3303, 0.3523

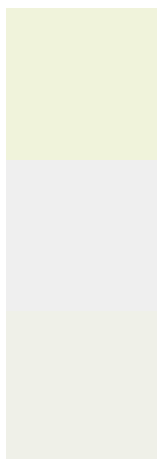
Deuteranomaly

87.6030, 0.3276, 0.3410

Tritanomaly

87.7857, 0.3135, 0.3270

Monochromacy



Original Color

87.7409, 0.3254, 0.3535

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4971, 0.3170, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7409, 0.3254, 0.3535 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(240, 243, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 243, 219) }
```

Border

The CSS property to change the border of an element to Yxy 87.7409, 0.3254, 0.3535 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, 219) }
```

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

```
.border{ border-color:rgb(240, 243, 219) }
```

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, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 243, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 243, 219);  
box-shadow:4px 4px 4px 4px rgb(240, 243,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7409, 0.3254, 0.3535 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, 219) }
```

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

```
.background{ background-color: rgb(240,  
243, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor