

Converting Colors

$Yxy(87.0576, 0.3276, 0.3536)$

Have a look what the booklet for
Yxy(87.0576, 0.3276, 0.3536)
contains.

Yxy(87.3913, 0.3281, 0.3545)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.3913, 0.3281, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	F2F2D9
RGB	242, 242, 217
RGB Percent	95%, 95%, 85%
CMY	0.0511, 0.0509, 0.1490
CMYK	0.00, 0.00, 0.10, 0.05
HSL	60°, 49%, 90%
HSV	60°, 10%, 95%
XYZ	80.8832, 87.3913, 78.2454
YIQ	239.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

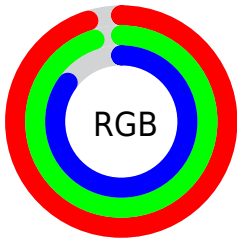
Format	Color
R_{YB}	217, 242, 217
Decimal	15921881
CIE _{Lab}	94.90, -4.22, 12.07
CIE _{LCh}	95, 12.788, 109.261
Yxy	87.3913, 0.3281, 0.3545
Android (android.graphics.Color)	4294111961 (0xFFFF2F2D9)
YUV	239.1500, -10.9200, 2.4994
Hunter-Lab	93.4833, -9.1549, 15.8127

Details

The Yxy color **87.3913, 0.3281, 0.3545** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.7943, 0.2965, 0.3022**, and the grayscale version is **86.5193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1655, 0.3317, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **86.2166, 0.3433, 0.3798**, and if you desaturate by 10%, it is **88.7584, 0.3132, 0.3298**.

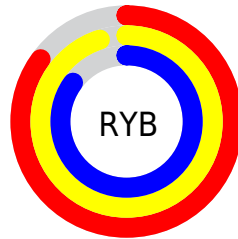
Distribution



Red (95%)

Green (95%)

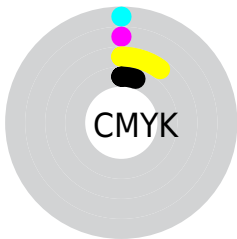
Blue (85%)



Red (85%)

Yellow (95%)

Blue (85%)

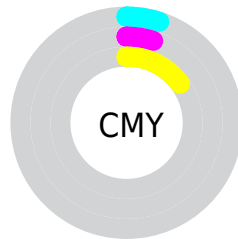


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (5%)


Magenta (5%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3913, 0.3281, 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 87.3913, 0.3281, 0.3545 by changing the saturation by 10% instead.


 87.3913, 0.3281,
0.3545

 87.3913, 0.3281,
0.3545

519.5078, 0.3213,
0.3430

 65.8191, 0.3296,
0.3571

143.7094, 0.3258,
0.3506

 48.1255, 0.3314,
0.3602


179.2241, 0.3249,
0.3490

 33.9263, 0.3337,
0.3641

220.1551, 0.3241,
0.3477

 22.8370, 0.3366,
0.3692

266.8867, 0.3234,
0.3465

 14.4732, 0.3403,
0.3759

319.8034, 0.3227,
0.3455

 8.4505, 0.3455,
0.3853

379.2895, 0.3222,

 4.3845, 0.3530,

0.3445

0.3994

445.7296, 0.3217,
0.3437

■ 1.8909, 0.3646,
0.4225

■ 0.5429, 0.4321,
0.5679

■ 87.3913, 0.3281,
0.3545

■ 87.3913, 0.3281,
0.3545

■ 86.2166, 0.3433,
0.3798

■ 88.7584, 0.3132,
0.3298

■ 85.2147, 0.3585,
0.4049


■ 89.6259, 0.3050,
0.3162

■ 84.3809, 0.3730,
0.4290


■ 89.6360, 0.3051,
0.3162

■ 83.7059, 0.3862,
0.4510


■ 89.6461, 0.3051,
0.3162

 83.1795, 0.3977,
0.4700


 89.6562, 0.3051,
0.3162

 82.7902, 0.4068,
0.4853


 89.6663, 0.3052,
0.3162

 82.5250, 0.4133,
0.4961

 89.6765, 0.3052,
0.3162

 82.3684, 0.4172,
0.5027

 89.6866, 0.3052,
0.3162

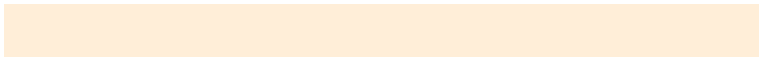
 82.2953, 0.4189,
0.5056

 89.6967, 0.3053,
0.3162

Harmonies

Analogous

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



87.3913, 0.3382, 0.3505



87.3913, 0.3281, 0.3545



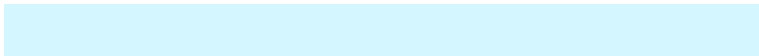
87.3913, 0.3140, 0.3513

Triad

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



87.3913, 0.3281, 0.3545



87.3913, 0.2849, 0.3160



87.3913, 0.3254, 0.3167

Complementary

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



87.3913, 0.3281, 0.3545



70.7943, 0.2965, 0.3022

Split Complementary

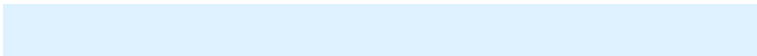
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3913, 0.3109, 0.3080



87.3913, 0.3281, 0.3545



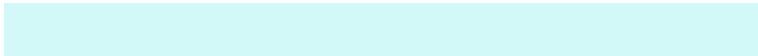
87.3913, 0.2877, 0.3073

Square

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



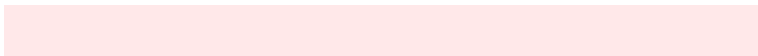
87.3913, 0.3281, 0.3545



87.3913, 0.2893, 0.3286



87.3913, 0.2971, 0.3045



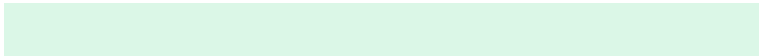
87.3913, 0.3367, 0.3287

Rectangle

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



87.3913, 0.3281, 0.3545



87.3913, 0.3044, 0.3455



87.3913, 0.2971, 0.3045



87.3913, 0.3207, 0.3133

Sweetspot

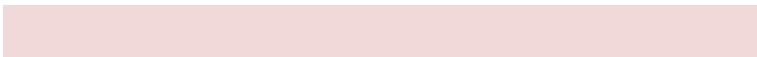
The Sweet Spot groups the original color and five complimentary colors.



87.3951, 0.3281, 0.3545



99.5136, 0.3171, 0.3363



73.5126, 0.3311, 0.3291



21.2729, 0.3183, 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.



87.3951, 0.3281, 0.3545



98.1699, 0.3307, 0.3588



85.2664, 0.3197, 0.3552



18.4571, 0.3268, 0.3523



44.2028, 0.4189, 0.5056



3.6779, 0.4190, 0.5055

Inverse Universe

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



70.7943, 0.2965, 0.3022



76.6694, 0.2937, 0.2974



72.7759, 0.3051, 0.3029



15.2306, 0.2980, 0.3046



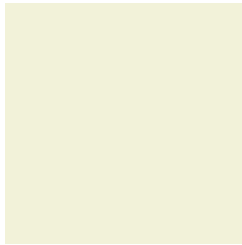
3.4467, 0.1501, 0.0600



0.2874, 0.1503, 0.0602

Previews

White Background



This preview shows how the Yxy color 87.3913, 0.3281, 0.3545 looks on a white background.

Color Contrast Check

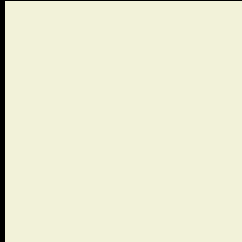
Large Text (above 18pt) WCAG AA × Fail

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 87.3913, 0.3281, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

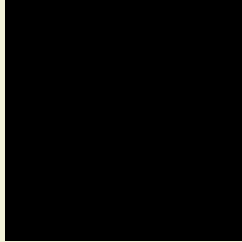
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

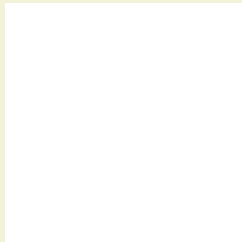
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3913, 0.3281, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 87.3913, 0.3281, 0.3545.

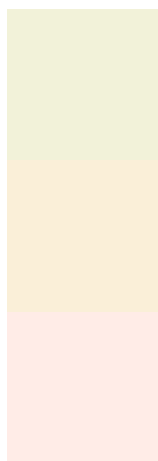


This preview shows how white text looks on a background with the Yxy color 87.3913, 0.3281, 0.3545.

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

87.3913, 0.3281, 0.3545

Protanopia

87.0149, 0.3346, 0.3521

Deuteranopia

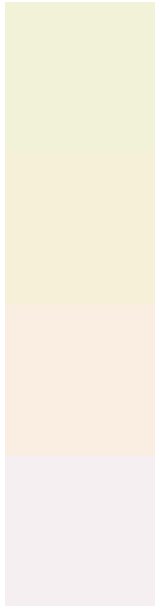
87.0204, 0.3287, 0.3340



Tritanopia

87.5625, 0.3083, 0.3114

Trichromacy



Original Color

87.3913, 0.3281, 0.3545

Protanomaly

87.0522, 0.3324, 0.3533

Deuteranomaly

86.9641, 0.3283, 0.3410

Tritanomaly

87.4964, 0.3154, 0.3270

Monochromacy



Original Color

87.3913, 0.3281, 0.3545

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.6150, 0.3182, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3913, 0.3281, 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(242, 242, 217)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 217) }
```

Border

The CSS property to change the border of an element to Yxy 87.3913, 0.3281, 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(242, 242, 217) }
```

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

```
.border{ border-color:rgb(242, 242, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 242, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 242, 217); box-shadow:4px 4px 4px 4px rgb(242, 242, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3913, 0.3281, 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(242, 242, 217) }
```

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

```
.background{ background-color: rgb(242,  
242, 217) }
```

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