

Converting Colors

$Y_{xy}(81.6755, 0.3379, 0.3529)$

Have a look what the booklet for
Yxy(81.6755, 0.3379, 0.3529)
contains.

Yxy(81.8601, 0.3381, 0.3537)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.8601, 0.3381, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	F6E8D0
RGB	246, 232, 208
RGB Percent	96%, 91%, 82%
CMY	0.0352, 0.0902, 0.1844
CMYK	0.00, 0.06, 0.15, 0.04
HSL	38°, 68%, 89%
HSV	38°, 15%, 96%
XYZ	78.2496, 81.8601, 71.3296
YIQ	233.4500, 16.0480, -4.4960

Conversions

Conversions Part 2

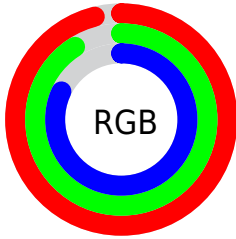
Format	Color
R _Y B	230, 246, 208
Decimal	16181456
CIE Lab	92.51, 0.89, 13.39
CIE LCh	93, 13.421, 86.206
Yxy	81.8601, 0.3381, 0.3537
Android (android.graphics.Color)	4294371536 (0xFFFF6E8D0)
YUV	233.4500, -12.5468, 11.0064
Hunter-Lab	90.4766, -3.9563, 16.5908

Details

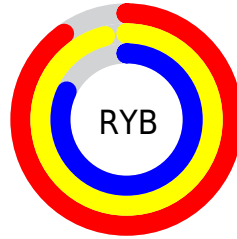
The Yxy color **81.8601, 0.3381, 0.3537** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.2959, 0.2882, 0.3030**, and the grayscale version is **81.9320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2026, 0.3431, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **75.7737, 0.3568, 0.3705**, and if you desaturate by 10%, it is **88.4047, 0.3212, 0.3375**.

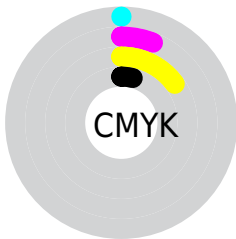
Distribution



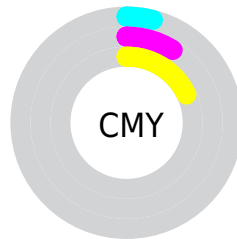
- Red (96%)
- Green (91%)
- Blue (82%)



- Red (90%)
- Yellow (96%)
- Blue (82%)



- Cyan (0%)
- Magenta (6%)
- Yellow (15%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8601, 0.3381, 0.3537 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 81.8601, 0.3381, 0.3537 by changing the saturation by 10% instead.

81.8601, 0.3381,
0.3537

81.8601, 0.3381,
0.3537

501.1796, 0.3266,
0.3425

61.2502, 0.3407,
0.3562

135.9778, 0.3341,
0.3499

44.4271, 0.3438,
0.3592

170.2544, 0.3326,
0.3484

31.0064, 0.3478,
0.3630

209.8554, 0.3313,
0.3471

20.6038, 0.3529,
0.3679

255.1651, 0.3301,
0.3459

12.8347, 0.3596,
0.3744

306.5680, 0.3291,
0.3449

7.3148, 0.3691,
0.3835

364.4485, 0.3281,

3.6597, 0.3833,

0.3440

0.3969

429.1909, 0.3273,
0.3433

■ 1.4851, 0.4122,
0.4244

■ 0.2782, 0.5070,
0.4930

■ 81.8601, 0.3381,
0.3537

■ 81.8601, 0.3381,
0.3537

■ 75.7737, 0.3568,
0.3705

■ 88.4047, 0.3212,
0.3375

■ 70.1221, 0.3771,
0.3874

■ 95.2678, 0.3073,
0.3243

■ 64.8956, 0.3988,
0.4037

■ 98.3365, 0.3072,
0.3290

■ 60.0800, 0.4212,
0.4184

■ 55.6597, 0.4435,
0.4304

■ 51.6179, 0.4646,
0.4385

■ 47.9352, 0.4832,
0.4418

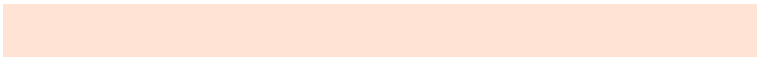
■ 44.5888, 0.4986,
0.4397

■ 43.1690, 0.5047,
0.4375

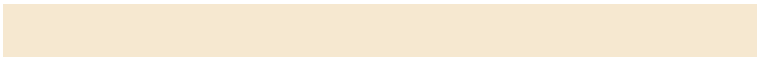
Harmonies

Analogous

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



81.8601, 0.3434, 0.3446



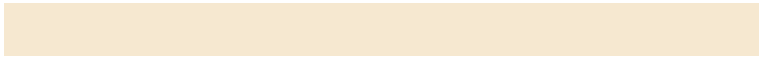
81.8601, 0.3381, 0.3537



81.8601, 0.3259, 0.3563

Triad

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



81.8601, 0.3381, 0.3537



81.8601, 0.2859, 0.3253



81.8601, 0.3144, 0.3082

Complementary

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



81.8601, 0.3381, 0.3537



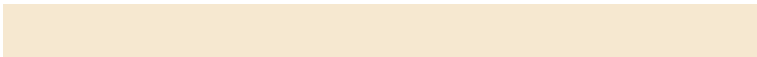
72.2959, 0.2882, 0.3030

Split Complementary

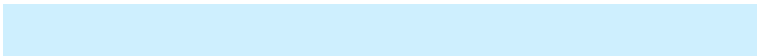
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8601, 0.2991, 0.3030



81.8601, 0.3381, 0.3537



81.8601, 0.2829, 0.3124

Square

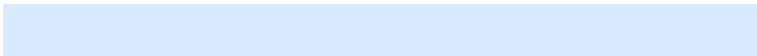
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8601, 0.3381, 0.3537



81.8601, 0.2959, 0.3396



81.8601, 0.2877, 0.3044



81.8601, 0.3296, 0.3186

Rectangle

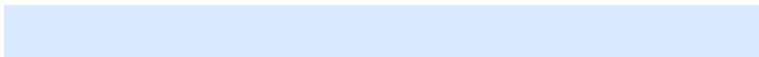
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8601, 0.3381, 0.3537



81.8601, 0.3157, 0.3537



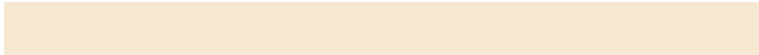
81.8601, 0.2877, 0.3044



81.8601, 0.3091, 0.3058

Sweetspot

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



81.8637, 0.3381, 0.3537



96.2455, 0.3205, 0.3368



69.9968, 0.3311, 0.3140



20.4897, 0.3216, 0.3379



0.0000, 0.0000, 0.0000



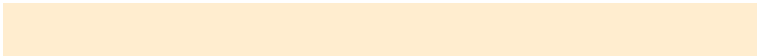
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8637, 0.3381, 0.3537



86.3992, 0.3446, 0.3596



89.2796, 0.3330, 0.3678



18.2273, 0.3278, 0.3439



23.3148, 0.5029, 0.4389



2.2450, 0.4896, 0.4494

Inverse Universe

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



72.2959, 0.2882, 0.3030



73.9464, 0.2822, 0.2963



65.8094, 0.2906, 0.2878



16.9265, 0.2980, 0.3136



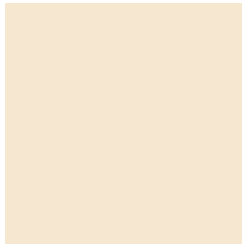
7.7558, 0.1659, 0.1172



0.8710, 0.1728, 0.1420

Previews

White Background



This preview shows how the Yxy color 81.8601, 0.3381, 0.3537 looks on a white background.

Color Contrast Check

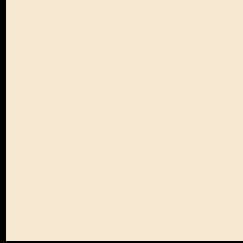
Large Text (above 18pt) WCAG AA × Fail

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 81.8601, 0.3381, 0.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

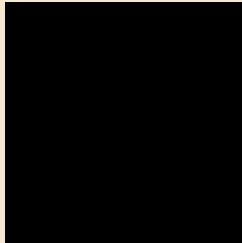
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

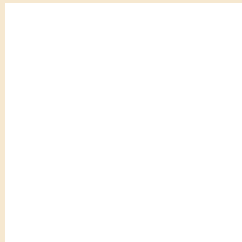
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8601, 0.3381, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 81.8601, 0.3381, 0.3537.

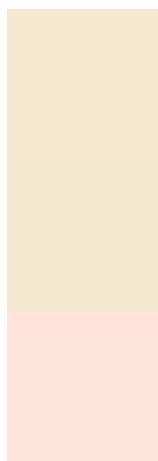


This preview shows how white text looks on a background with the Yxy color 81.8601, 0.3381, 0.3537.

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

81.8601, 0.3381, 0.3537

Protanopia

82.0650, 0.3365, 0.3548

Deuteranopia

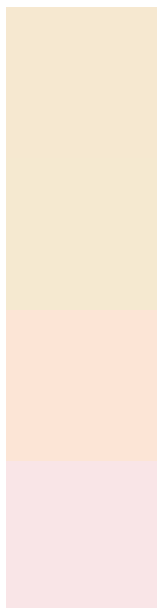
81.8088, 0.3384, 0.3391



Tritanopia

81.9791, 0.3183, 0.3122

Trichromacy



Original Color

81.8601, 0.3381, 0.3537

Protanomaly

82.2444, 0.3372, 0.3547

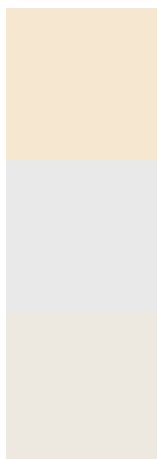
Deuteranomaly

81.5891, 0.3388, 0.3442

Tritanomaly

81.9479, 0.3253, 0.3270

Monochromacy



Original Color

81.8601, 0.3381, 0.3537

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.8368, 0.3218, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8601, 0.3381, 0.3537 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(246, 232, 208)` looks like.

```
.text, #text, p{  
    color:rgb(246, 232, 208)  
}
```

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(246, 232, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 232, 208) }
```

Border

The CSS property to change the border of an element to Yxy 81.8601, 0.3381, 0.3537 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(246, 232, 208) }
```

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

```
.border{ border-color:rgb(246, 232, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 232, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 232, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 232, 208);  
box-shadow:4px 4px 4px 4px rgb(246, 232,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8601, 0.3381, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 232, 208) }
```

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

```
.background{ background-color: rgb(246,  
232, 208) }
```

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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