

Converting Colors

$Y_{xy}(81.6210, 0.3347, 0.3475)$

Have a look what the booklet for
Yxy(81.6210, 0.3347, 0.3475)
contains.

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Color

Yxy(81.5488, 0.3349, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	F6E7D5
RGB	246, 231, 213
RGB Percent	96%, 91%, 84%
CMY	0.0353, 0.0941, 0.1648
CMYK	0.00, 0.06, 0.13, 0.04
HSL	33°, 65%, 90%
HSV	33°, 13%, 96%
XYZ	78.5919, 81.5488, 74.5321
YIQ	233.4330, 14.7180, -2.4180

Conversions

Conversions Part 2

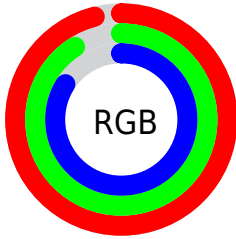
Format	Color
R _Y B	241, 246, 213
Decimal	16181205
CIE Lab	92.38, 2.16, 10.59
CIE LCh	92, 10.811, 78.453
Yxy	81.5488, 0.3349, 0.3475
Android (android.graphics.Color)	4294371285 (0xFFFF6E7D5)
YUV	233.4330, -10.0735, 11.0213
Hunter-Lab	90.3044, -2.6841, 14.2785

Details

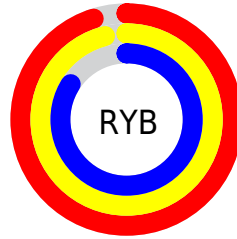
The Yxy color **81.5488, 0.3349, 0.3475** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.2731, 0.2916, 0.3098**, and the grayscale version is **81.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0757, 0.3408, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **74.3396, 0.3540, 0.3621**, and if you desaturate by 10%, it is **89.3540, 0.3180, 0.3336**.

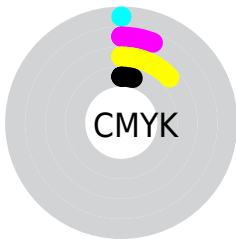
Distribution



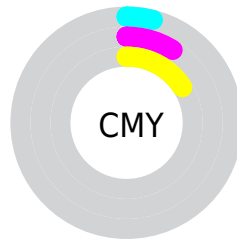
- Red (96%)
- Green (91%)
- Blue (84%)



- Red (95%)
- Yellow (96%)
- Blue (84%)



- Cyan (0%)
- Magenta (6%)
- Yellow (13%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5488, 0.3349, 0.3475 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 81.5488, 0.3349, 0.3475 by changing the saturation by 10% instead.

81.5488, 0.3349,
0.3475

81.5488, 0.3349,
0.3475

500.1372, 0.3248,
0.3392

60.9937, 0.3372,
0.3494

135.5411, 0.3314,
0.3446

44.2201, 0.3399,
0.3516

169.7470, 0.3301,
0.3435

30.8436, 0.3434,
0.3545

209.2721, 0.3289,
0.3426

20.4798, 0.3479,
0.3581

254.5006, 0.3279,
0.3417

12.7443, 0.3540,
0.3630

305.8170, 0.3270,
0.3410

7.2527, 0.3625,
0.3697

363.6056, 0.3262,

3.6206, 0.3753,

0.3403

0.3797

428.2509, 0.3255,
0.3397

■ 1.4637, 0.3983,
0.3976

■ 0.2630, 0.5352,
0.4648

■ 81.5488, 0.3349,
0.3475

■ 81.5488, 0.3349,
0.3475

■ 74.3396, 0.3540,
0.3621

■ 89.3540, 0.3180,
0.3336

■ 67.6998, 0.3752,
0.3769

■ 97.2887, 0.3072,
0.3274

■ 61.6161, 0.3986,
0.3913

■ 98.3346, 0.3072,
0.3290

■ 56.0709, 0.4236,
0.4046

■ 51.0449, 0.4494,
0.4155

■ 46.5176, 0.4747,
0.4227

■ 42.4659, 0.4982,
0.4252

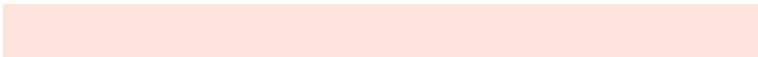
■ 38.8636, 0.5183,
0.4221

■ 36.7193, 0.5297,
0.4176

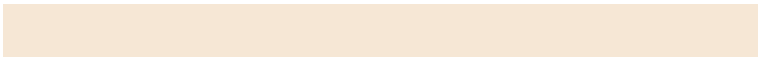
Harmonies

Analogous

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



81.5488, 0.3374, 0.3392



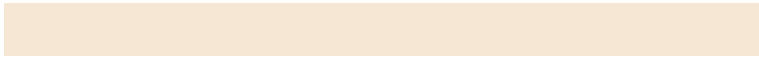
81.5488, 0.3349, 0.3475



81.5488, 0.3263, 0.3510

Triad

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



81.5488, 0.3349, 0.3475



81.5488, 0.2926, 0.3291



81.5488, 0.3108, 0.3106

Complementary

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



81.5488, 0.3349, 0.3475



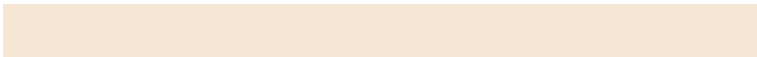
76.2731, 0.2916, 0.3098

Split Complementary

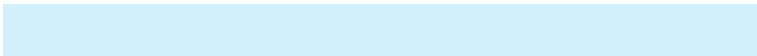
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5488, 0.2990, 0.3077



81.5488, 0.3349, 0.3475



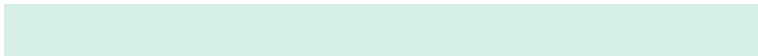
81.5488, 0.2886, 0.3181

Square

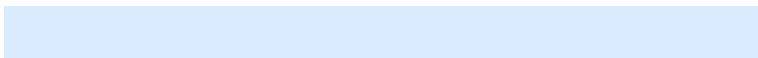
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5488, 0.3349, 0.3475



81.5488, 0.3019, 0.3403



81.5488, 0.2909, 0.3104



81.5488, 0.3234, 0.3181

Rectangle

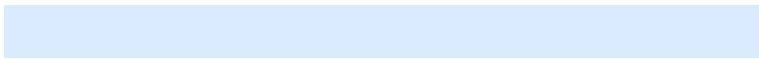
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5488, 0.3349, 0.3475



81.5488, 0.3185, 0.3500



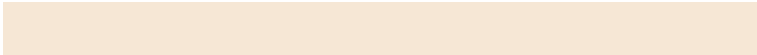
81.5488, 0.2909, 0.3104



81.5488, 0.3066, 0.3090

Sweetspot

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



81.5524, 0.3349, 0.3475



96.4399, 0.3189, 0.3344



72.7944, 0.3264, 0.3132



20.5013, 0.3202, 0.3354



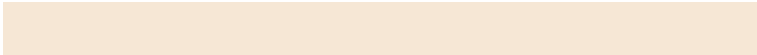
0.0000, 0.0000, 0.0000



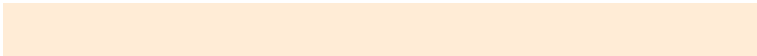
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5524, 0.3349, 0.3475



86.3861, 0.3396, 0.3512



90.1164, 0.3321, 0.3624



17.9815, 0.3280, 0.3419



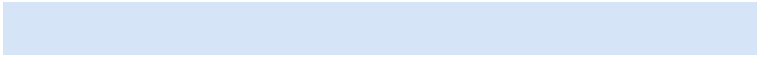
19.8819, 0.5274, 0.4194



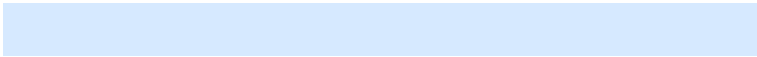
1.9527, 0.5101, 0.4332

Inverse Universe

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



76.2731, 0.2916, 0.3098



79.6724, 0.2874, 0.3057



68.5388, 0.2919, 0.2935



17.1666, 0.2980, 0.3157



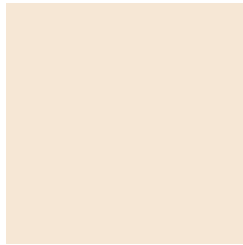
9.9782, 0.1730, 0.1428



1.0796, 0.1796, 0.1666

Previews

White Background



This preview shows how the Yxy color 81.5488, 0.3349, 0.3475 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 81.5488, 0.3349, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

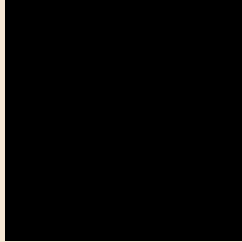
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

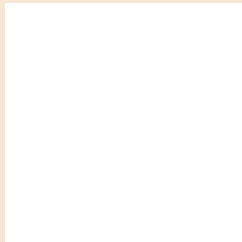
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5488, 0.3349, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 81.5488, 0.3349, 0.3475.

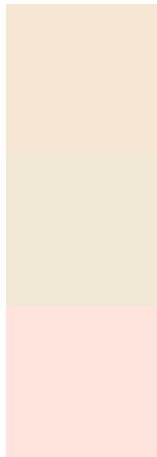


This preview shows how white text looks on a background with the Yxy color 81.5488, 0.3349, 0.3475.

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

81.5488, 0.3349, 0.3475

Protanopia

81.4455, 0.3312, 0.3476

Deuteranopia

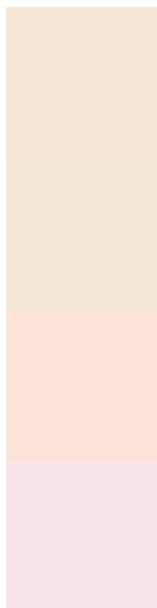
81.3655, 0.3372, 0.3361



Tritanopia

81.2484, 0.3177, 0.3112

Trichromacy



Original Color

81.5488, 0.3349, 0.3475

Protanomaly

81.6230, 0.3319, 0.3476

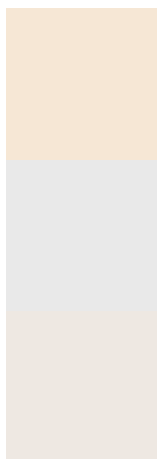
Deuteranomaly

81.1920, 0.3369, 0.3402

Tritanomaly

81.5097, 0.3241, 0.3240

Monochromacy



Original Color

81.5488, 0.3349, 0.3475

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.3814, 0.3206, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5488, 0.3349, 0.3475 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, 231, 213)` looks like.

```
.text, #text, p{  
    color:rgb(246, 231, 213)  
}
```

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, 231, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 231, 213) }
```

Border

The CSS property to change the border of an element to Yxy 81.5488, 0.3349, 0.3475 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, 231, 213) }
```

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

```
.border{ border-color:rgb(246, 231, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 231, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 231, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 231, 213);  
box-shadow:4px 4px 4px 4px rgb(246, 231,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5488, 0.3349, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 231, 213) }
```

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

```
.background{ background-color: rgb(246,  
231, 213) }
```

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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