

Converting Colors

$Yxy(81.6353, 0.3247, 0.3396)$

Have a look what the booklet for
Yxy(81.6353, 0.3247, 0.3396)
contains.

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Color

Yxy(81.5124, 0.3246, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	F0E8DE
RGB	240, 232, 222
RGB Percent	94%, 91%, 87%
CMY	0.0588, 0.0902, 0.1293
CMYK	0.00, 0.03, 0.07, 0.06
HSL	33°, 38%, 91%
HSV	33°, 7%, 94%
XYZ	77.9809, 81.5124, 80.7436
YIQ	233.2520, 7.9780, -1.4140

Conversions

Conversions Part 2

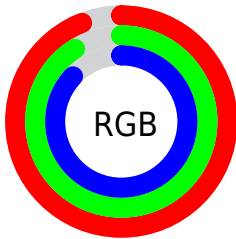
Format	Color
R _Y B	236, 240, 222
Decimal	15788254
CIE Lab	92.36, 1.01, 5.80
CIE LCh	92, 5.886, 80.078
Yxy	81.5124, 0.3246, 0.3393
Android (android.graphics.Color)	4293978334 (0xFFFF0E8DE)
YUV	233.2520, -5.5472, 5.9180
Hunter-Lab	90.2842, -3.8221, 10.1743

Details

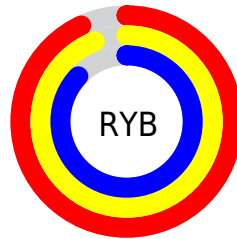
The Yxy color **81.5124, 0.3246, 0.3393** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.4347, 0.3011, 0.3185**, and the grayscale version is **81.7271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0310, 0.3273, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **74.4850, 0.3423, 0.3537**, and if you desaturate by 10%, it is **89.0959, 0.3090, 0.3257**.

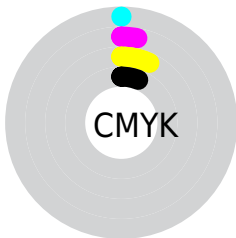
Distribution



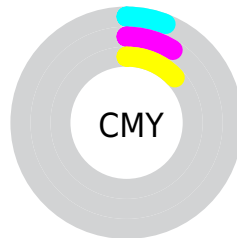
- Red (94%)
- Green (91%)
- Blue (87%)



- Red (93%)
- Yellow (94%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5124, 0.3246, 0.3393 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 81.5124, 0.3246, 0.3393 by changing the saturation by 10% instead.

81.5124, 0.3246,
0.3393

81.5124, 0.3246,
0.3393

500.0152, 0.3192,
0.3346

60.9637, 0.3258,
0.3403

135.4900, 0.3227,
0.3377

44.1959, 0.3273,
0.3416

169.6877, 0.3220,
0.3371

30.8245, 0.3292,
0.3432

209.2039, 0.3214,
0.3365

20.4653, 0.3316,
0.3453

254.4229, 0.3208,
0.3361

12.7337, 0.3348,
0.3480

305.7291, 0.3204,
0.3356

7.2454, 0.3394,
0.3519

363.5070, 0.3199,

3.6161, 0.3464,

0.3353

0.3578

428.1409, 0.3195,
0.3349

■ 1.4612, 0.3582,
0.3677

■ 0.2612, 0.5111,
0.4889

■ 81.5124, 0.3246,
0.3393

■ 81.5124, 0.3246,
0.3393

■ 74.4850, 0.3423,
0.3537

■ 89.0959, 0.3090,
0.3257

■ 67.9889, 0.3621,
0.3686

■ 96.2326, 0.3036,
0.3274

■ 62.0128, 0.3841,
0.3836

■ 97.2671, 0.3035,
0.3290

■ 56.5409, 0.4079,
0.3979

■ 51.5566, 0.4329,
0.4105

■ 47.0417, 0.4583,
0.4203

■ 42.9765, 0.4827,
0.4260

■ 39.3389, 0.5045,
0.4265

■ 36.1016, 0.5226,
0.4216

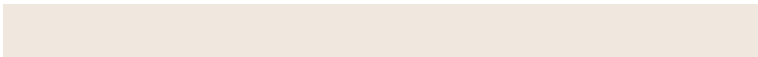
Harmonies

Analogous

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



81.5124, 0.3261, 0.3350



81.5124, 0.3246, 0.3393



81.5124, 0.3199, 0.3409

Triad

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



81.5124, 0.3246, 0.3393



81.5124, 0.3015, 0.3288



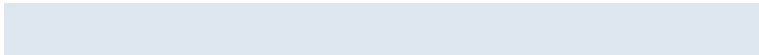
81.5124, 0.3121, 0.3190

Complementary

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



81.5124, 0.3246, 0.3393



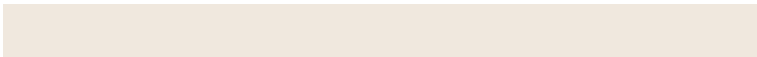
78.4347, 0.3011, 0.3185

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.



81.5124, 0.3055, 0.3173



81.5124, 0.3246, 0.3393



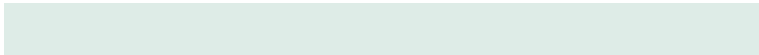
81.5124, 0.2995, 0.3229

Square

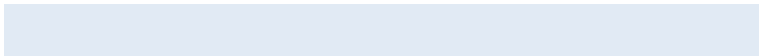
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



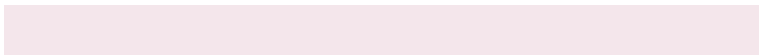
81.5124, 0.3246, 0.3393



81.5124, 0.3065, 0.3348



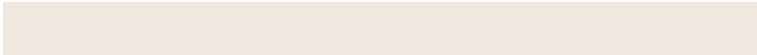
81.5124, 0.3010, 0.3187



81.5124, 0.3189, 0.3233

Rectangle

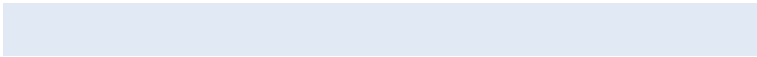
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5124, 0.3246, 0.3393



81.5124, 0.3155, 0.3402



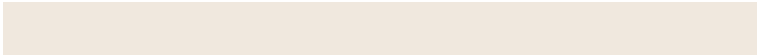
81.5124, 0.3010, 0.3187



81.5124, 0.3098, 0.3181

Sweetspot

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



81.5160, 0.3246, 0.3393



98.2357, 0.3158, 0.3317



76.5000, 0.3201, 0.3207



21.0451, 0.3156, 0.3316



0.0000, 0.0000, 0.0000



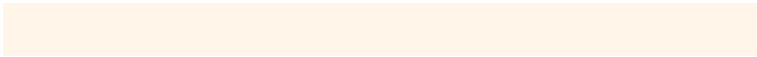
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5160, 0.3246, 0.3393



92.2624, 0.3272, 0.3415



85.9714, 0.3232, 0.3474



17.2132, 0.3279, 0.3421



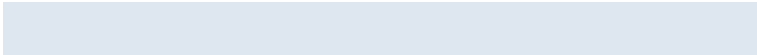
19.6164, 0.5246, 0.4216



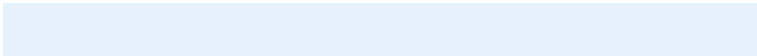
1.8301, 0.5070, 0.4357

Inverse Universe

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



78.4347, 0.3011, 0.3185



88.0477, 0.2987, 0.3162



74.2204, 0.3018, 0.3100



16.3872, 0.2980, 0.3155



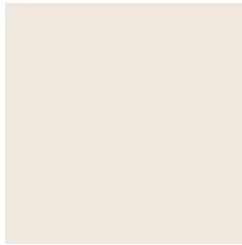
9.4393, 0.1723, 0.1401



0.9807, 0.1793, 0.1653

Previews

White Background



This preview shows how the Yxy color 81.5124, 0.3246, 0.3393 looks on a white background.

Color Contrast Check

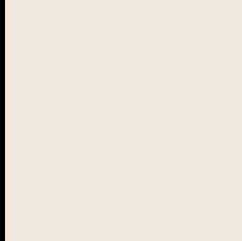
Large Text (above 18pt) WCAG AA × Fail

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 81.5124, 0.3246, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

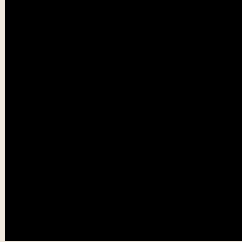
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

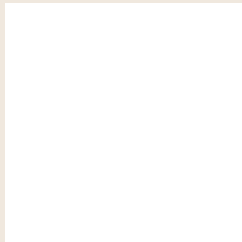
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5124, 0.3246, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 81.5124, 0.3246, 0.3393.

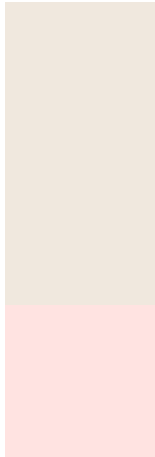


This preview shows how white text looks on a background with the Yxy color 81.5124, 0.3246, 0.3393.

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

81.5124, 0.3246, 0.3393

Protanopia

81.5124, 0.3246, 0.3393

Deuteranopia

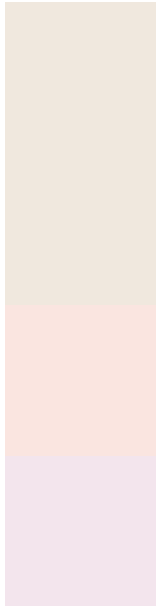
81.6344, 0.3338, 0.3311



Tritanopia

81.3737, 0.3122, 0.3110

Trichromacy



Original Color

81.5124, 0.3246, 0.3393

Protanomaly

81.5124, 0.3246, 0.3393

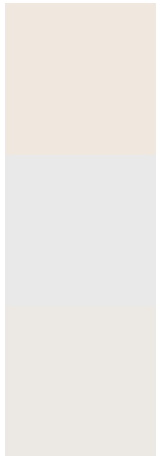
Deuteranomaly

81.7444, 0.3306, 0.3341

Tritanomaly

81.2077, 0.3172, 0.3209

Monochromacy



Original Color

81.5124, 0.3246, 0.3393

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7678, 0.3173, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5124, 0.3246, 0.3393 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, 232, 222) looks like.

```
.text, #text, p{  
    color:rgb(240, 232, 222)  
}
```

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, 232, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 232, 222) }
```

Border

The CSS property to change the border of an element to Yxy 81.5124, 0.3246, 0.3393 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, 232, 222) }
```

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

```
.border{ border-color:rgb(240, 232, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 232, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 232, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 232, 222);  
box-shadow:4px 4px 4px 4px rgb(240, 232,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5124, 0.3246, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 232, 222) }
```

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

```
.background{ background-color: rgb(240,  
232, 222) }
```

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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