

Converting Colors

$Y_{xy}(81.2273, 0.3230, 0.3366)$

Have a look what the booklet for
Yxy(81.2273, 0.3230, 0.3366)
contains.

Yxy(81.0589, 0.3234, 0.3362)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.0589, 0.3234, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	F0E7E0
RGB	240, 231, 224
RGB Percent	94%, 91%, 88%
CMY	0.0587, 0.0941, 0.1215
CMYK	0.00, 0.04, 0.07, 0.06
HSL	26°, 35%, 91%
HSV	26°, 7%, 94%
XYZ	77.9728, 81.0589, 82.0715
YIQ	232.8930, 7.6110, -0.2690

Conversions

Conversions Part 2

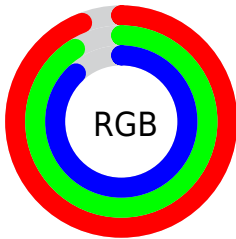
Format	Color
R _Y B	240, 236, 224
Decimal	15788000
CIE Lab	92.16, 1.87, 4.46
CIE LCh	92, 4.838, 67.317
Yxy	81.0589, 0.3234, 0.3362
Android (android.graphics.Color)	4293978080 (0xFFFF0E7E0)
YUV	232.8930, -4.3842, 6.2328
Hunter-Lab	90.0327, -2.9674, 8.9756

Details

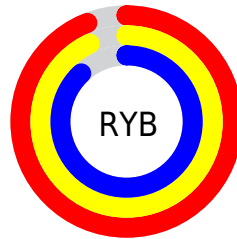
The Yxy color **81.0589, 0.3234, 0.3362** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **80.4466, 0.3024, 0.3217**, and the grayscale version is **81.4350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7149, 0.3258, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **72.5636, 0.3415, 0.3476**, and if you desaturate by 10%, it is **90.3312, 0.3078, 0.3255**.

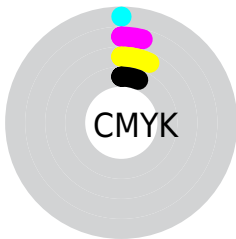
Distribution



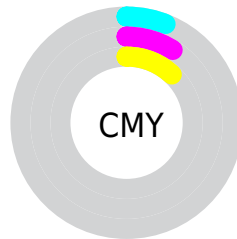
- Red (94%)
- Green (91%)
- Blue (88%)



- Red (94%)
- Yellow (93%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (7%)
- Black (6%)





- Cyan (6%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0589, 0.3234, 0.3362 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 81.0589, 0.3234, 0.3362 by changing the saturation by 10% instead.

 81.0589, 0.3234,
0.3362

 81.0589, 0.3234,
0.3362


498.4943, 0.3185,
0.3330

 60.5901, 0.3245,
0.3369

134.8535, 0.3217,
0.3351

 43.8945, 0.3258,
0.3378


168.9480, 0.3211,
0.3347

 30.5875, 0.3275,
0.3389


208.3533, 0.3205,
0.3343

 20.2850, 0.3297,
0.3404

253.4537, 0.3200,
0.3339

 12.6024, 0.3326,
0.3423

304.6336, 0.3196,
0.3337

 7.1553, 0.3368,
0.3450

362.2774, 0.3192,

 3.5594, 0.3432,

0.3334

0.3490

426.7695, 0.3189,
0.3332

■ 1.4303, 0.3541,
0.3558

■ 0.2389, 0.5330,
0.4670

■ 81.0589, 0.3234,
0.3362

■ 81.0589, 0.3234,
0.3362

■ 72.5636, 0.3415,
0.3476

■ 90.3312, 0.3078,
0.3255

■ 64.8139, 0.3624,
0.3594

■ 97.2689, 0.3036,
0.3290

■ 57.7914, 0.3863,
0.3714

■ 51.4731, 0.4131,
0.3829

■ 45.8347, 0.4423,
0.3929

■ 40.8499, 0.4729,
0.4003

■ 36.4907, 0.5034,
0.4038

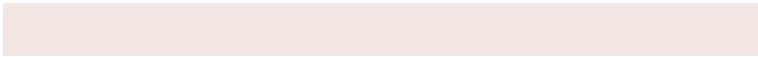
■ 32.7258, 0.5315,
0.4021

■ 29.5194, 0.5549,
0.3950

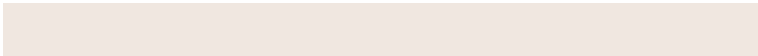
Harmonies

Analogous

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



81.0589, 0.3234, 0.3320



81.0589, 0.3234, 0.3362



81.0589, 0.3205, 0.3386

Triad

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



81.0589, 0.3234, 0.3362



81.0589, 0.3050, 0.3310



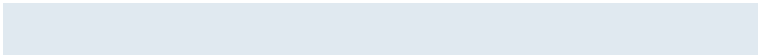
81.0589, 0.3098, 0.3199

Complementary

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



81.0589, 0.3234, 0.3362



80.4466, 0.3024, 0.3217

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.



81.0589, 0.3049, 0.3196



81.0589, 0.3234, 0.3362



81.0589, 0.3022, 0.3259

Square

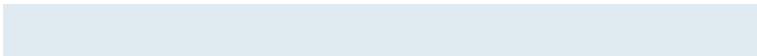
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0589, 0.3234, 0.3362



81.0589, 0.3099, 0.3356



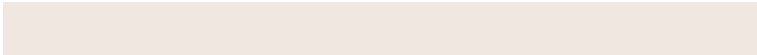
81.0589, 0.3022, 0.3217



81.0589, 0.3155, 0.3226

Rectangle

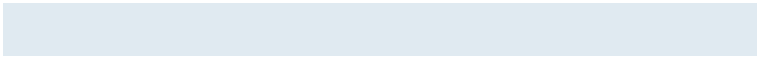
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0589, 0.3234, 0.3362



81.0589, 0.3174, 0.3387



81.0589, 0.3022, 0.3217



81.0589, 0.3080, 0.3195

Sweetspot

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



81.0624, 0.3234, 0.3362



97.8544, 0.3158, 0.3311



77.7401, 0.3180, 0.3197



20.9674, 0.3157, 0.3310



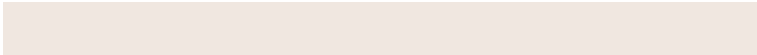
0.0000, 0.0000, 0.0000



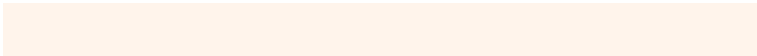
21.4041, 0.3127, 0.3290

Same Dimension

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



81.0624, 0.3234, 0.3362



91.6328, 0.3257, 0.3377



85.6182, 0.3227, 0.3443



16.8927, 0.3282, 0.3393



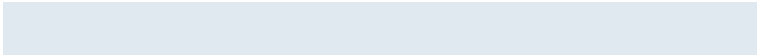
15.8861, 0.5593, 0.3941



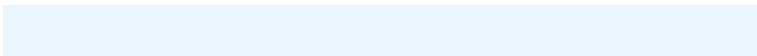
1.5161, 0.5364, 0.4123

Inverse Universe

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



80.4466, 0.3024, 0.3217



90.7897, 0.3003, 0.3201



76.0414, 0.3025, 0.3133



16.7081, 0.2980, 0.3184



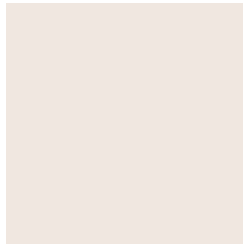
13.2536, 0.1833, 0.1797



1.3002, 0.1892, 0.2011

Previews

White Background



This preview shows how the Yxy color 81.0589, 0.3234, 0.3362 looks on a white background.

Color Contrast Check

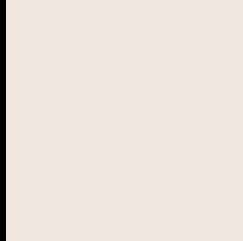
Large Text (above 18pt) WCAG AA × Fail

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 81.0589, 0.3234, 0.3362 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

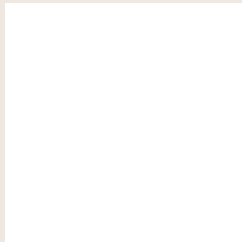
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0589, 0.3234, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 81.0589, 0.3234, 0.3362.

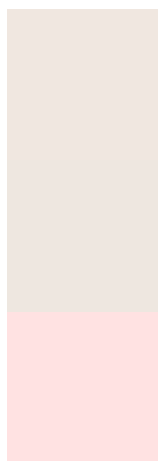


This preview shows how white text looks on a background with the Yxy color 81.0589, 0.3234, 0.3362.

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

81.0589, 0.3234, 0.3362

Protanopia

80.7108, 0.3220, 0.3363

Deuteranopia

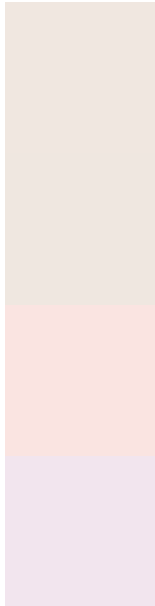
81.1437, 0.3332, 0.3291



Tritanopia

81.1953, 0.3115, 0.3110

Trichromacy



Original Color

81.0589, 0.3234, 0.3362

Protanomaly

80.8844, 0.3227, 0.3362

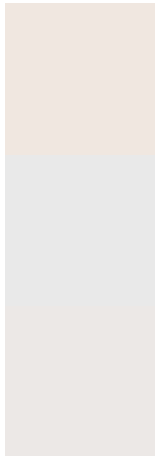
Deuteranomaly

81.2470, 0.3301, 0.3321

Tritanomaly

81.0889, 0.3159, 0.3199

Monochromacy



Original Color

81.0589, 0.3234, 0.3362

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.2593, 0.3167, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0589, 0.3234, 0.3362 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, 231, 224) looks like.

```
.text, #text, p{  
    color:rgb(240, 231, 224)  
}
```

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, 231, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 231, 224) }
```

Border

The CSS property to change the border of an element to Yxy 81.0589, 0.3234, 0.3362 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, 231, 224) }
```

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

```
.border{ border-color:rgb(240, 231, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 231, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 231, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 231, 224);  
box-shadow:4px 4px 4px 4px rgb(240, 231,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0589, 0.3234, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 231, 224) }
```

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

```
.background{ background-color: rgb(240,  
231, 224) }
```

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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