

Converting Colors

$Yxy(81.1985, 0.3307, 0.3594)$

Have a look what the booklet for
Yxy(81.1985, 0.3307, 0.3594)
contains.

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Color

Yxy(81.3653, 0.3304, 0.3595)

Conversions

Conversions Part 1

Format	Color
Hex	EAEBCE
RGB	234, 235, 206
RGB Percent	92%, 92%, 81%
CMY	0.0824, 0.0784, 0.1920
CMYK	0.00, 0.00, 0.12, 0.08
HSL	62°, 42%, 86%
HSV	62°, 12%, 92%
XYZ	74.7791, 81.3653, 70.1846
YIQ	231.3950, 8.7130, -9.2310

Conversions

Conversions Part 2

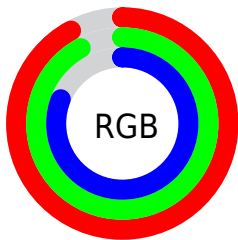
Format	Color
R_{YB}	206, 235, 207
Decimal	15395790
CIE Lab	92.29, -5.20, 13.95
CIE LCh	92, 14.886, 110.448
Yxy	81.3653, 0.3304, 0.3595
Android (android.graphics.Color)	4293585870 (0xFFEAEBCE)
YUV	231.3950, -12.5197, 2.2846
Hunter-Lab	90.2027, -9.8761, 17.0097

Details

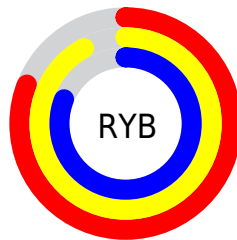
The Yxy color **81.3653, 0.3304, 0.3595** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.4403, 0.2939, 0.2967**, and the grayscale version is **80.3128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9722, 0.3340, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **80.1690, 0.3450, 0.3849**, and if you desaturate by 10%, it is **82.7402, 0.3160, 0.3346**.

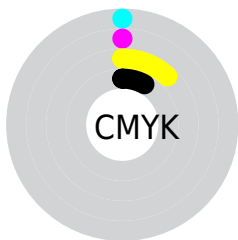
Distribution



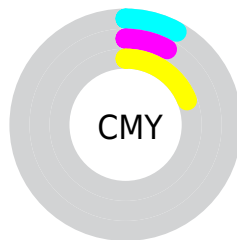
- Red (92%)
- Green (92%)
- Blue (81%)



- Red (81%)
- Yellow (92%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (12%)
- Black (8%)



- Cyan (8%)
- Magenta (8%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3653, 0.3304, 0.3595 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 81.3653, 0.3304, 0.3595 by changing the saturation by 10% instead.

81.3653, 0.3304,
0.3595

81.3653, 0.3304,
0.3595

499.5222, 0.3225,
0.3455

60.8425, 0.3322,
0.3627

135.2836, 0.3277,
0.3547

44.0981, 0.3343,
0.3665

169.4478, 0.3266,
0.3528

30.7476, 0.3370,
0.3714

208.9281, 0.3257,
0.3512

20.4067, 0.3404,
0.3778

254.1086, 0.3249,
0.3498

12.6911, 0.3449,
0.3864

305.3739, 0.3242,
0.3485

7.2162, 0.3511,
0.3985

363.1083, 0.3235,

3.5976, 0.3601,

0.3474

0.4171

427.6963, 0.3230,
0.3464

■ 1.4511, 0.3820,
0.4580

■ 0.2540, 0.3106,
0.6894

■ 81.3653, 0.3304,
0.3595

■ 81.3653, 0.3304,
0.3595

■ 80.1690, 0.3450,
0.3849

■ 82.7402, 0.3160,
0.3346

■ 79.1331, 0.3595,
0.4102


■ 84.2900, 0.3022,
0.3109

■ 78.2529, 0.3731,
0.4343

■ 84.5585, 0.3015,
0.3090

■ 77.5198, 0.3855,
0.4564


■ 84.7025, 0.3021,
0.3090

 76.9239, 0.3959,
0.4754

 84.8472, 0.3026,
0.3091

 76.4544, 0.4040,
0.4905

 84.9926, 0.3032,
0.3091

 76.0988, 0.4094,
0.5013

 85.1387, 0.3037,
0.3091

 75.8420, 0.4122,
0.5077

 85.2854, 0.3042,
0.3092

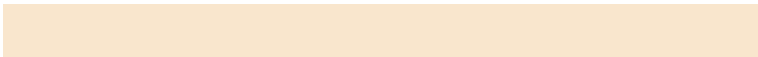
 75.6937, 0.4130,
0.5102

 85.4329, 0.3048,
0.3092

Harmonies

Analogous

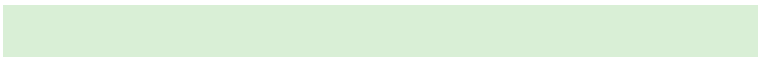
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3653, 0.3428, 0.3549



81.3653, 0.3304, 0.3595



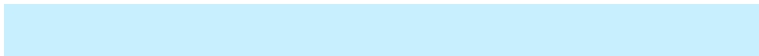
81.3653, 0.3135, 0.3554

Triad

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



81.3653, 0.3304, 0.3595



81.3653, 0.2796, 0.3129



81.3653, 0.3284, 0.3149

Complementary

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



81.3653, 0.3304, 0.3595



63.4403, 0.2939, 0.2967

Split Complementary

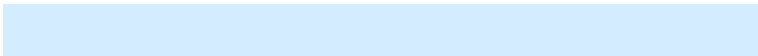
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3653, 0.3112, 0.3044



81.3653, 0.3304, 0.3595



81.3653, 0.2833, 0.3029

Square

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



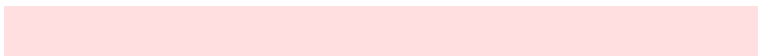
81.3653, 0.3304, 0.3595



81.3653, 0.2845, 0.3279



81.3653, 0.2947, 0.2999



81.3653, 0.3417, 0.3291

Rectangle

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



81.3653, 0.3304, 0.3595



81.3653, 0.3021, 0.3483



81.3653, 0.2947, 0.2999



81.3653, 0.3229, 0.3108

Sweetspot

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



81.3689, 0.3304, 0.3595



99.2915, 0.3184, 0.3388



66.7535, 0.3349, 0.3301



21.2248, 0.3195, 0.3406



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

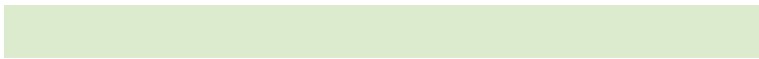
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3689, 0.3304, 0.3595



97.5192, 0.3344, 0.3664



79.0277, 0.3204, 0.3605



17.5980, 0.3262, 0.3523



42.1358, 0.4131, 0.5102



3.3172, 0.4141, 0.5094

Inverse Universe

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



63.4403, 0.2939, 0.2967



71.6397, 0.2893, 0.2888



65.6133, 0.3042, 0.2977



14.5745, 0.2985, 0.3047



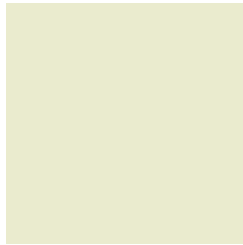
3.3799, 0.1511, 0.0606



0.2744, 0.1542, 0.0623

Previews

White Background



This preview shows how the Yxy color 81.3653, 0.3304, 0.3595 looks on a white background.

Color Contrast Check

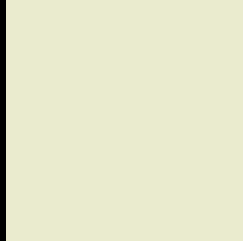
Large Text (above 18pt) WCAG AA × Fail

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 81.3653, 0.3304, 0.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

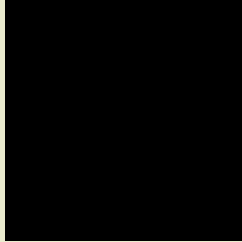
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

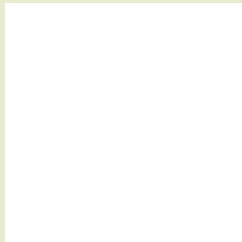
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3653, 0.3304, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 81.3653, 0.3304, 0.3595.

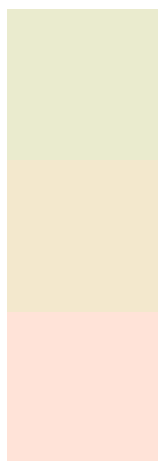


This preview shows how white text looks on a background with the Yxy color 81.3653, 0.3304, 0.3595.

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

81.3653, 0.3304, 0.3595

Protanopia

81.1757, 0.3379, 0.3570

Deuteranopia

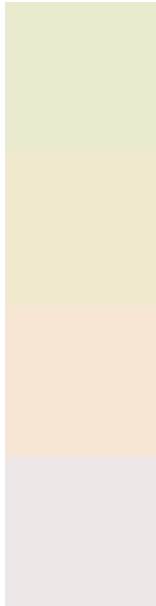
81.1560, 0.3399, 0.3401



Tritanopia

81.2793, 0.3088, 0.3109

Trichromacy



Original Color

81.3653, 0.3304, 0.3595

Protanomaly

81.2109, 0.3356, 0.3582

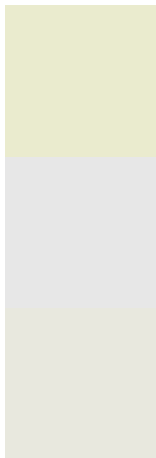
Deuteranomaly

81.1213, 0.3364, 0.3475

Tritanomaly

81.1552, 0.3169, 0.3280

Monochromacy



Original Color

81.3653, 0.3304, 0.3595

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.1430, 0.3191, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3653, 0.3304, 0.3595 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(234, 235, 206)` looks like.

```
.text, #text, p{  
    color:rgb(234, 235, 206)  
}
```

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(234, 235, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 235, 206) }
```

Border

The CSS property to change the border of an element to Yxy 81.3653, 0.3304, 0.3595 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(234, 235, 206) }
```

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

```
.border{ border-color:rgb(234, 235, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 235, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 235, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 235, 206);  
box-shadow:4px 4px 4px 4px rgb(234, 235,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3653, 0.3304, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 235, 206) }
```

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

```
.background{ background-color: rgb(234,  
235, 206) }
```

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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