

Converting Colors

$Y_{xy}(79.1765, 0.3354, 0.3617)$

Have a look what the booklet for
Yxy(79.1765, 0.3354, 0.3617)
contains.

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Color

Yxy(78.9841, 0.3356, 0.3619)

Conversions

Conversions Part 1

Format	Color
Hex	EBE7C8
RGB	235, 231, 200
RGB Percent	92%, 91%, 78%
CMY	0.0787, 0.0940, 0.2157
CMYK	0.00, 0.02, 0.15, 0.08
HSL	53°, 47%, 85%
HSV	53°, 15%, 92%
XYZ	73.2442, 78.9841, 66.0201
YIQ	228.6620, 12.3350, -8.7930

Conversions

Conversions Part 2

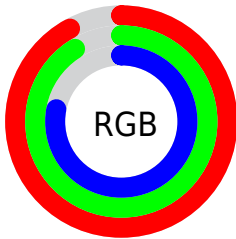
Format	Color
R _Y B	205, 235, 200
Decimal	15460296
CIE Lab	91.23, -3.78, 15.60
CIE LCh	91, 16.048, 103.631
Yxy	78.9841, 0.3356, 0.3619
Android (android.graphics.Color)	4293650376 (0xFFE7C8)
YUV	228.6620, -14.1304, 5.5584
Hunter-Lab	88.8730, -8.4180, 18.1670

Details

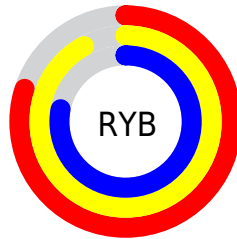
The Yxy color **78.9841, 0.3356, 0.3619** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.4068, 0.2889, 0.2938**, and the grayscale version is **78.1874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.7097, 0.3406, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **76.5134, 0.3518, 0.3847**, and if you desaturate by 10%, it is **81.6526, 0.3200, 0.3396**.

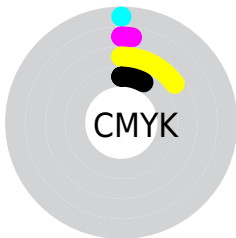
Distribution



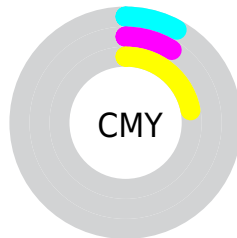
- Red (92%)
- Green (91%)
- Blue (78%)



- Red (80%)
- Yellow (92%)
- Blue (78%)



- Cyan (0%)
- Magenta (2%)
- Yellow (15%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9841, 0.3356, 0.3619 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 78.9841, 0.3356, 0.3619 by changing the saturation by 10% instead.

■ 78.9841, 0.3356,
0.3619

■ 78.9841, 0.3356,
0.3619

491.5026, 0.3252,
0.3468

■ 58.8827, 0.3379,
0.3653

131.9365, 0.3320,
0.3567

■ 42.5187, 0.3407,
0.3695

165.5563, 0.3307,
0.3546

■ 29.5077, 0.3443,
0.3748

204.4510, 0.3294,
0.3529

■ 19.4652, 0.3488,
0.3817

249.0051, 0.3284,
0.3514

■ 12.0069, 0.3548,
0.3910

299.6029, 0.3275,
0.3500

■ 6.7484, 0.3632,
0.4042

356.6288, 0.3266,

■ 3.3052, 0.3754,

0.3488

0.4242

420.4672, 0.3259,
0.3477

■ 1.2931, 0.4172,
0.4843

■ 0.1358, 0.2131,
0.7869

■ 78.9841, 0.3356,
0.3619

■ 78.9841, 0.3356,
0.3619

■ 76.5134, 0.3518,
0.3847

■ 81.6526, 0.3200,
0.3396

■ 74.2222, 0.3683,
0.4072


■ 84.5158, 0.3053,
0.3182

■ 72.1057, 0.3844,
0.4286


■ 86.5472, 0.3005,
0.3129

■ 70.1548, 0.3995,
0.4480

■ 88.0948, 0.3005,
0.3155

 68.3595, 0.4131,
0.4642


 89.6648, 0.3005,
0.3182


 66.7083, 0.4243,
0.4765

 91.2574, 0.3005,
0.3208


 65.1882, 0.4328,
0.4844

 92.8725, 0.3005,
0.3234

 63.7831, 0.4386,
0.4877

 94.5103, 0.3005,
0.3260

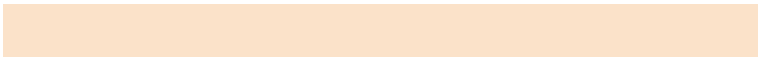
 63.0946, 0.4408,
0.4882

 96.1709, 0.3005,
0.3286

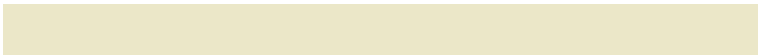
Harmonies

Analogous

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



78.9841, 0.3474, 0.3549



78.9841, 0.3356, 0.3619



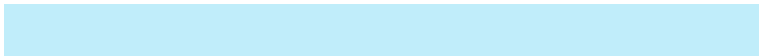
78.9841, 0.3179, 0.3597

Triad

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



78.9841, 0.3356, 0.3619



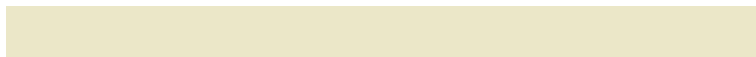
78.9841, 0.2772, 0.3148



78.9841, 0.3257, 0.3106

Complementary

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



78.9841, 0.3356, 0.3619



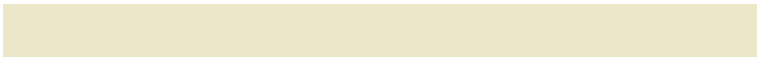
61.4068, 0.2889, 0.2938

Split Complementary

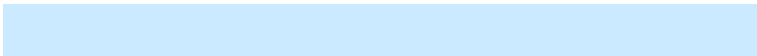
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9841, 0.3067, 0.3005



78.9841, 0.3356, 0.3619



78.9841, 0.2791, 0.3024

Square

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



78.9841, 0.3356, 0.3619



78.9841, 0.2844, 0.3317



78.9841, 0.2897, 0.2974



78.9841, 0.3416, 0.3254

Rectangle

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



78.9841, 0.3356, 0.3619



78.9841, 0.3052, 0.3531



78.9841, 0.2897, 0.2974



78.9841, 0.3195, 0.3066

Sweetspot

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



78.9876, 0.3356, 0.3619



98.6353, 0.3187, 0.3377



63.3164, 0.3374, 0.3246



21.0580, 0.3198, 0.3394



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.



78.9876, 0.3356, 0.3619



94.1594, 0.3407, 0.3692



79.0043, 0.3256, 0.3670



17.3227, 0.3271, 0.3497



35.2561, 0.4404, 0.4885



2.8505, 0.4371, 0.4912

Inverse Universe

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



61.4068, 0.2889, 0.2938



68.9991, 0.2832, 0.2854



61.5008, 0.2984, 0.2904



14.8199, 0.2980, 0.3074



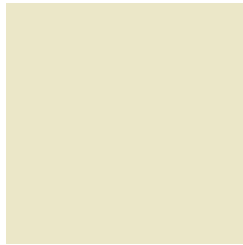
3.8468, 0.1523, 0.0681



0.3920, 0.1571, 0.0855

Previews

White Background



This preview shows how the Yxy color 78.9841, 0.3356, 0.3619 looks on a white background.

Color Contrast Check

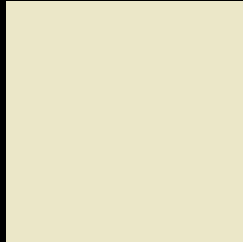
Large Text (above 18pt) WCAG AA × Fail

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 78.9841, 0.3356, 0.3619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

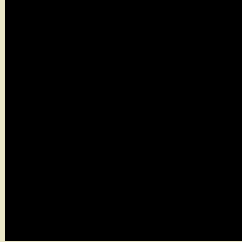
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

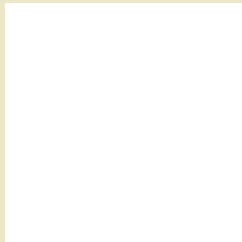
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9841, 0.3356, 0.3619

Background



This preview shows how black text looks on a background with the Yxy color 78.9841, 0.3356, 0.3619.



This preview shows how white text looks on a background with the Yxy color 78.9841, 0.3356, 0.3619.

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

78.9841, 0.3356, 0.3619

Protanopia

78.8629, 0.3410, 0.3605

Deuteranopia

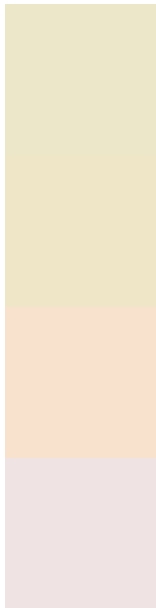
78.6388, 0.3454, 0.3432



Tritanopia

79.0223, 0.3122, 0.3108

Trichromacy



Original Color

78.9841, 0.3356, 0.3619

Protanomaly

79.0679, 0.3394, 0.3616

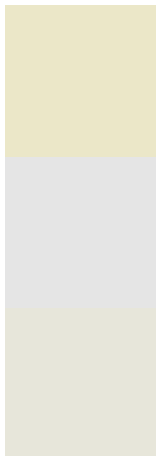
Deuteranomaly

78.8054, 0.3418, 0.3496

Tritanomaly

78.8349, 0.3211, 0.3290

Monochromacy



Original Color

78.9841, 0.3356, 0.3619

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.6445, 0.3211, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9841, 0.3356, 0.3619 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(235, 231, 200)` looks like.

```
.text, #text, p{  
    color:rgb(235, 231, 200)  
}
```

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(235, 231, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 231, 200) }
```

Border

The CSS property to change the border of an element to Yxy 78.9841, 0.3356, 0.3619 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(235, 231, 200) }
```

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

```
.border{ border-color:rgb(235, 231, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 231, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 231, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 231, 200);  
box-shadow:4px 4px 4px 4px rgb(235, 231,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9841, 0.3356, 0.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 231, 200) }
```

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

```
.background{ background-color: rgb(235,  
231, 200) }
```

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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