

Converting Colors

$Yxy(78.8514, 0.3546, 0.3860)$

Have a look what the booklet for
Yxy(78.8514, 0.3546, 0.3860)
contains.

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Color

Yxy(78.8514, 0.3546, 0.3860)

Conversions

Conversions Part 1

Format	Color
Hex	F0E7B1
RGB	240, 231, 177
RGB Percent	94%, 91%, 69%
CMY	0.0590, 0.0940, 0.3059
CMYK	0.00, 0.04, 0.26, 0.06
HSL	51°, 68%, 82%
HSV	51°, 26%, 94%
XYZ	72.4371, 78.8514, 52.9898
YIQ	227.5350, 22.6980, -14.8860

Conversions

Conversions Part 2

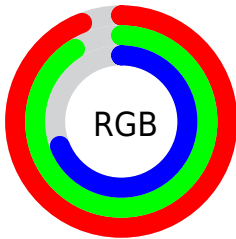
Format	Color
R_{YB}	188, 240, 177
Decimal	15787953
CIE _{Lab}	91.17, -5.21, 27.45
CIE _{LCh}	91, 27.945, 100.751
Yxy	78.8514, 0.3546, 0.3860
Android (android.graphics.Color)	4293978033 (0xFFFF0E7B1)
YUV	227.5350, -24.9138, 10.9318
Hunter-Lab	88.7983, -9.7860, 26.7779

Details

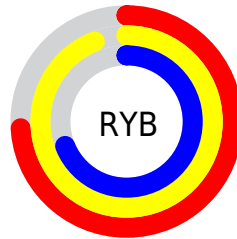
The Yxy color **78.8514, 0.3546, 0.3860** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.7259, 0.2682, 0.2647**, and the grayscale version is **77.3969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **42.5732, 0.3633, 0.3997** is the 20% darker color. If you saturate the color by 10%, you get **76.0905, 0.3715, 0.4078**, and if you desaturate by 10%, it is **81.8248, 0.3380, 0.3639**.

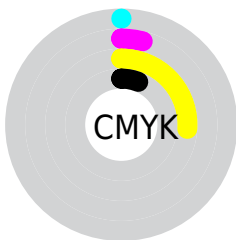
Distribution



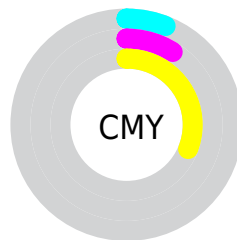
- Red (94%)
- Green (91%)
- Blue (69%)



- Red (74%)
- Yellow (94%)
- Blue (69%)



- Cyan (0%)
- Magenta (4%)
- Yellow (26%)
- Black (6%)





- Cyan (6%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8514, 0.3546, 0.3860 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 78.8514, 0.3546, 0.3860 by changing the saturation by 10% instead.

 78.8514, 0.3546,
0.3860

 78.8514, 0.3546,
0.3860


491.0535, 0.3358,
0.3599

 58.7736, 0.3587,
0.3919


 131.7496, 0.3482,
0.3770

 42.4309, 0.3637,
0.3991


165.3389, 0.3457,
0.3735

 29.4389, 0.3699,
0.4080


204.2008, 0.3435,
0.3704

 19.4131, 0.3776,
0.4195

248.7197, 0.3416,
0.3678

 11.9691, 0.3875,
0.4347

299.2801, 0.3399,
0.3654

 6.7227, 0.4004,
0.4554

356.2662, 0.3384,

 3.2893, 0.4193,

0.3634

0.4871

420.0625, 0.3370,
0.3615

■ 1.2846, 0.4533,
0.5467

■ 0.1292, 0.0000,
1.0000

■ 78.8514, 0.3546,
0.3860

■ 78.8514, 0.3546,
0.3860

■ 76.0905, 0.3715,
0.4078

■ 81.8248, 0.3380,
0.3639

■ 73.5225, 0.3882,
0.4285

■ 85.0085, 0.3221,
0.3421

■ 71.1410, 0.4039,
0.4471

■ 88.4139, 0.3072,
0.3213

■ 68.9353, 0.4181,
0.4625

■ 90.8359, 0.3037,
0.3188

■ 66.8930, 0.4300,
0.4738

■ 92.9141, 0.3036,
0.3222

■ 65.0000, 0.4391,
0.4806

■ 95.0304, 0.3036,
0.3255

■ 63.2383, 0.4454,
0.4829

■ 97.1852, 0.3035,
0.3289

■ 62.6000, 0.4473,
0.4831

■ 97.2593, 0.3035,
0.3290

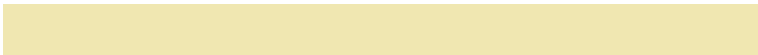
Harmonies

Analogous

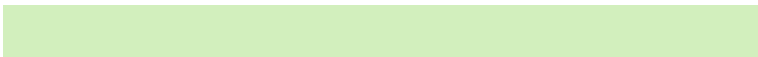
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8514, 0.3743, 0.3712



78.8514, 0.3546, 0.3860



78.8514, 0.3242, 0.3849

Triad

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



78.8514, 0.3546, 0.3860



78.8514, 0.2525, 0.3058



78.8514, 0.3319, 0.2956

Complementary

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



78.8514, 0.3546, 0.3860



50.7259, 0.2682, 0.2647

Split Complementary

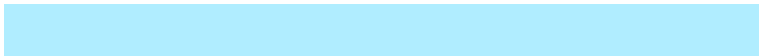
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8514, 0.2986, 0.2797



78.8514, 0.3546, 0.3860



78.8514, 0.2542, 0.2841

Square

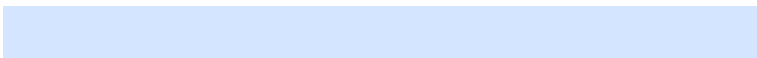
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8514, 0.3546, 0.3860



78.8514, 0.2659, 0.3362



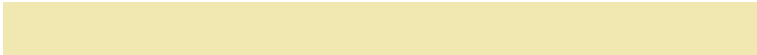
78.8514, 0.2706, 0.2753



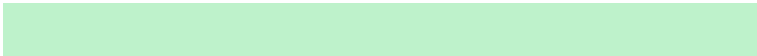
78.8514, 0.3612, 0.3195

Rectangle

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



78.8514, 0.3546, 0.3860



78.8514, 0.3022, 0.3742



78.8514, 0.2706, 0.2753



78.8514, 0.3208, 0.2892

Sweetspot

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



78.8550, 0.3546, 0.3860



96.9197, 0.3249, 0.3460



53.5226, 0.3606, 0.3188



20.6247, 0.3273, 0.3492



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

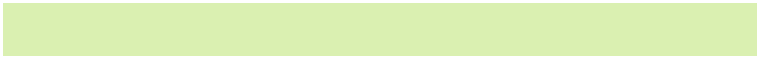
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8550, 0.3546, 0.3860



88.9548, 0.3628, 0.3967



80.3675, 0.3367, 0.3981



18.0537, 0.3272, 0.3491



34.4293, 0.4468, 0.4835



2.9681, 0.4426, 0.4868

Inverse Universe

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



50.7259, 0.2682, 0.2647



52.0620, 0.2589, 0.2507



49.8752, 0.2835, 0.2571



15.5909, 0.2980, 0.3081



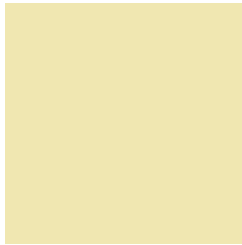
4.1865, 0.1532, 0.0714



0.4595, 0.1586, 0.0908

Previews

White Background



This preview shows how the Yxy color 78.8514, 0.3546, 0.3860 looks on a white background.

Color Contrast Check

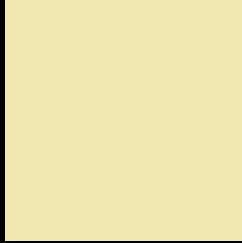
Large Text (above 18pt) WCAG AA × Fail

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 78.8514, 0.3546, 0.3860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

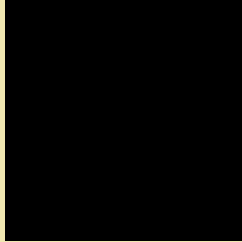
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8514, 0.3546, 0.3860

Background



This preview shows how black text looks on a background with the Yxy color 78.8514, 0.3546, 0.3860.



This preview shows how white text looks on a background with the Yxy color 78.8514, 0.3546, 0.3860.

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

78.8514, 0.3546, 0.3860

Protanopia

78.5857, 0.3595, 0.3843

Deuteranopia

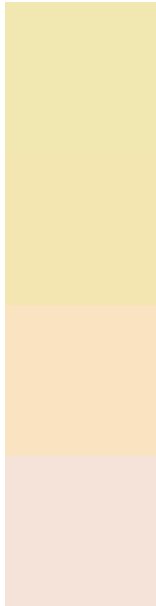
78.7414, 0.3516, 0.3535



Tritanopia

79.0231, 0.3191, 0.3120

Trichromacy



Original Color

78.8514, 0.3546, 0.3860

Protanomaly

78.7829, 0.3578, 0.3856

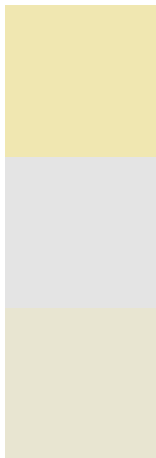
Deuteranomaly

79.0679, 0.3528, 0.3651

Tritanomaly

78.8149, 0.3321, 0.3383

Monochromacy



Original Color

78.8514, 0.3546, 0.3860

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7979, 0.3278, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8514, 0.3546, 0.3860 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(240, 231, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 231, 177) }
```

Border

The CSS property to change the border of an element to Yxy 78.8514, 0.3546, 0.3860 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, 177) }
```

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

```
.border{ border-color:rgb(240, 231, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 231, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 231, 177);  
box-shadow:4px 4px 4px 4px rgb(240, 231,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8514, 0.3546, 0.3860 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, 177) }
```

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

```
.background{ background-color: rgb(240,  
231, 177) }
```

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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