

Converting Colors

$Yxy(78.7442, 0.3457, 0.3757)$

Have a look what the booklet for
Yxy(78.7442, 0.3457, 0.3757)
contains.

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Color

Yxy(78.7442, 0.3457, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	EDE7BB
RGB	237, 231, 187
RGB Percent	93%, 91%, 73%
CMY	0.0708, 0.0940, 0.2667
CMYK	0.00, 0.02, 0.21, 0.07
HSL	53°, 58%, 83%
HSV	53°, 21%, 93%
XYZ	72.4564, 78.7442, 58.3927
YIQ	227.7780, 17.7000, -12.4120

Conversions

Conversions Part 2

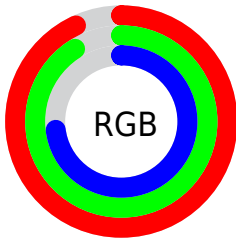
Format	Color
RYB	194, 237, 187
Decimal	15591355
CIELab	91.12, -4.96, 22.20
CIELCh	91, 22.744, 102.604
Yxy	78.7442, 0.3457, 0.3757
Android (android.graphics.Color)	4293781435 (0xFFEDE7BB)
YUV	227.7780, -20.1036, 8.0877
Hunter-Lab	88.7379, -9.5423, 23.1016

Details

The Yxy color **78.7442, 0.3457, 0.3757** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.7806, 0.2778, 0.2776**, and the grayscale version is **77.5492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **42.5957, 0.3528, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **76.2552, 0.3622, 0.3983**, and if you desaturate by 10%, it is **81.4329, 0.3296, 0.3532**.

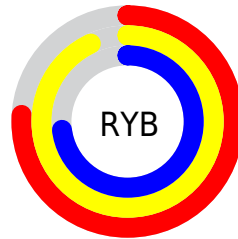
Distribution



Red (93%)

Green (91%)

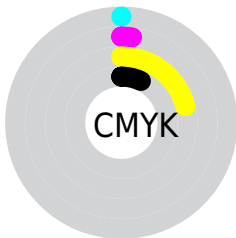
Blue (73%)



Red (76%)

Yellow (93%)

Blue (73%)

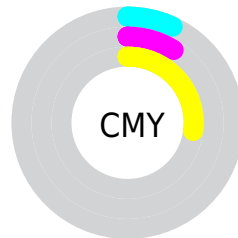


Cyan (0%)

Magenta (2%)

Yellow (21%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7442, 0.3457, 0.3757 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 78.7442, 0.3457, 0.3757 by changing the saturation by 10% instead.

 78.7442, 0.3457,
0.3757

 78.7442, 0.3457,
0.3757


490.6906, 0.3308,
0.3542

 58.6855, 0.3490,
0.3806


 131.5987, 0.3406,
0.3683

 42.3600, 0.3530,
0.3865

165.1633, 0.3386,
0.3654

 29.3833, 0.3580,
0.3940


203.9986, 0.3369,
0.3629

 19.3710, 0.3643,
0.4037

248.4891, 0.3354,
0.3607

 11.9386, 0.3725,
0.4166

299.0192, 0.3340,
0.3588

 6.7019, 0.3836,
0.4347

355.9732, 0.3328,

 3.2764, 0.3988,

0.3571

0.4612

419.7355, 0.3318,
0.3556

■ 1.2777, 0.4549,
0.5451

■ 0.1238, 0.0000,
1.0000

■ 78.7442, 0.3457,
0.3757

■ 78.7442, 0.3457,
0.3757

■ 76.2552, 0.3622,
0.3983

■ 81.4329, 0.3296,
0.3532

■ 73.9470, 0.3786,
0.4201

■ 84.3185, 0.3143,
0.3313

■ 71.8142, 0.3944,
0.4403

■ 87.2117, 0.3018,
0.3135

■ 69.8468, 0.4088,
0.4577

■ 88.8733, 0.3018,
0.3163

■ 68.0338, 0.4212,
0.4715

■ 90.5606, 0.3018,
0.3191

■ 66.3626, 0.4310,
0.4810

■ 92.2737, 0.3017,
0.3219

■ 64.8181, 0.4380,
0.4859

■ 94.0127, 0.3017,
0.3247

■ 63.5252, 0.4422,
0.4871

■ 95.7777, 0.3017,
0.3275

■ 96.7349, 0.3017,
0.3290

Harmonies

Analogous

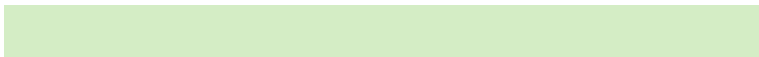
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7442, 0.3623, 0.3648



78.7442, 0.3457, 0.3757



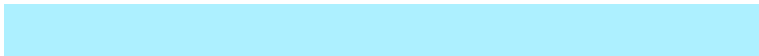
78.7442, 0.3207, 0.3735

Triad

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



78.7442, 0.3457, 0.3757



78.7442, 0.2630, 0.3091



78.7442, 0.3301, 0.3026

Complementary

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



78.7442, 0.3457, 0.3757



54.7806, 0.2778, 0.2776

Split Complementary

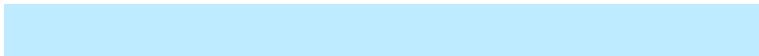
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7442, 0.3030, 0.2889



78.7442, 0.3457, 0.3757



78.7442, 0.2651, 0.2917

Square

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



78.7442, 0.3457, 0.3757



78.7442, 0.2734, 0.3335



78.7442, 0.2795, 0.2847



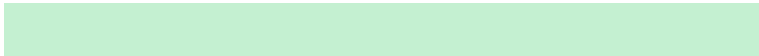
78.7442, 0.3533, 0.3228

Rectangle

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



78.7442, 0.3457, 0.3757



78.7442, 0.3028, 0.3643



78.7442, 0.2795, 0.2847



78.7442, 0.3211, 0.2971

Sweetspot

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



78.7477, 0.3457, 0.3757



97.9017, 0.3218, 0.3420



57.4151, 0.3496, 0.3218



20.9072, 0.3228, 0.3434



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.



78.7477, 0.3457, 0.3757



91.8253, 0.3523, 0.3848



79.1267, 0.3315, 0.3838



17.3043, 0.3271, 0.3496



34.8287, 0.4418, 0.4874



2.8211, 0.4382, 0.4902

Inverse Universe

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



54.7806, 0.2778, 0.2776



59.0870, 0.2703, 0.2663



54.6753, 0.2908, 0.2726



14.8365, 0.2980, 0.3076



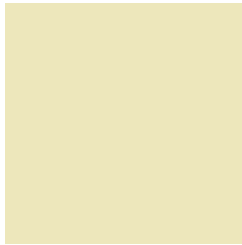
3.8917, 0.1525, 0.0688



0.3999, 0.1575, 0.0870

Previews

White Background



This preview shows how the Yxy color 78.7442, 0.3457, 0.3757 looks on a white background.

Color Contrast Check

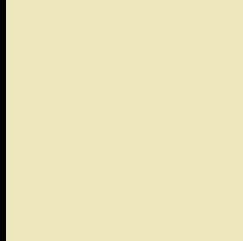
Large Text (above 18pt) WCAG AA × Fail

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 78.7442, 0.3457, 0.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

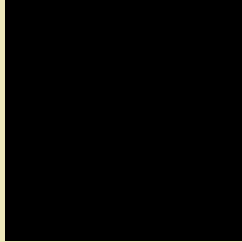
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

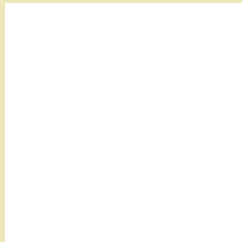
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7442, 0.3457, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 78.7442, 0.3457, 0.3757.



This preview shows how white text looks on a background with the Yxy color 78.7442, 0.3457, 0.3757.

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

78.7442, 0.3457, 0.3757

Protanopia

78.6385, 0.3513, 0.3741

Deuteranopia

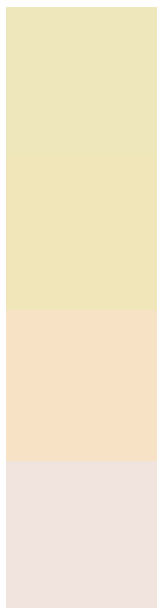
78.3471, 0.3497, 0.3494



Tritanopia

78.8953, 0.3156, 0.3119

Trichromacy



Original Color

78.7442, 0.3457, 0.3757

Protanomaly

78.8396, 0.3496, 0.3753

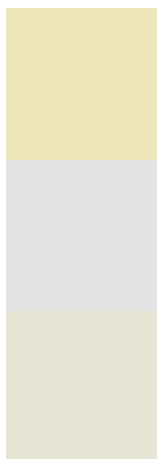
Deuteranomaly

78.3804, 0.3481, 0.3590

Tritanomaly

78.8594, 0.3265, 0.3352

Monochromacy



Original Color

78.7442, 0.3457, 0.3757

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.8316, 0.3245, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7442, 0.3457, 0.3757 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(237, 231, 187)` looks like.

```
.text, #text, p{  
    color:rgb(237, 231, 187)  
}
```

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(237, 231, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 231, 187) }
```

Border

The CSS property to change the border of an element to Yxy 78.7442, 0.3457, 0.3757 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(237, 231, 187) }
```

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

```
.border{ border-color:rgb(237, 231, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 231, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 231, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 231, 187);  
box-shadow:4px 4px 4px 4px rgb(237, 231,  
187) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 78.7442, 0.3457, 0.3757$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 231, 187) }
```

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

```
.background{ background-color: rgb(237,  
231, 187) }
```

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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