

Converting Colors

$Y_{xy}(78.0502, 0.3430, 0.3797)$

Have a look what the booklet for
Yxy(78.0502, 0.3430, 0.3797)
contains.

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Color

Yxy(78.2049, 0.3425, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	E7E8B9
RGB	231, 232, 185
RGB Percent	91%, 91%, 73%
CMY	0.0940, 0.0902, 0.2744
CMYK	0.00, 0.00, 0.20, 0.09
HSL	61°, 51%, 82%
HSV	61°, 20%, 91%
XYZ	70.5802, 78.2049, 57.2884
YIQ	226.3430, 14.4910, -14.8290

Conversions

Conversions Part 2

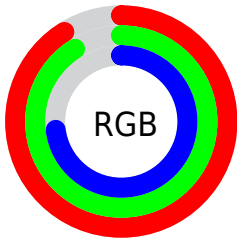
Format	Color
R_{YB}	185, 232, 186
Decimal	15198393
CIE _{Lab}	90.87, -7.88, 22.80
CIE _{LCh}	91, 24.128, 109.070
Yxy	78.2049, 0.3425, 0.3795
Android (android.graphics.Color)	4293388473 (0xFFE7E8B9)
YUV	226.3430, -20.3821, 4.0842
Hunter-Lab	88.4335, -12.2951, 23.4946

Details

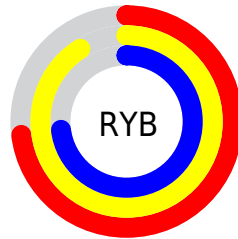
The Yxy color **78.2049, 0.3425, 0.3795** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.9720, 0.2796, 0.2732**, and the grayscale version is **76.4641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **41.8306, 0.3488, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **77.2288, 0.3573, 0.4047**, and if you desaturate by 10%, it is **79.3481, 0.3276, 0.3542**.

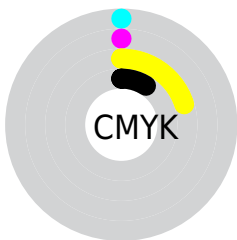
Distribution



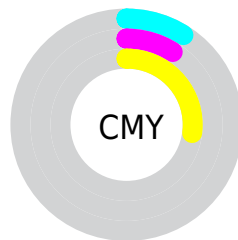
- Red (91%)
- Green (91%)
- Blue (73%)



- Red (73%)
- Yellow (91%)
- Blue (73%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)





- Cyan (9%)
- Magenta (9%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2049, 0.3425, 0.3795 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 78.2049, 0.3425, 0.3795 by changing the saturation by 10% instead.


 78.2049, 0.3425,
0.3795

 78.2049, 0.3425,
0.3795


488.8624, 0.3291,
0.3561

 58.2423, 0.3454,
0.3848


 130.8389, 0.3380,
0.3714

 42.0035, 0.3490,
0.3914


164.2792, 0.3362,
0.3682

 29.1040, 0.3534,
0.3996


202.9807, 0.3346,
0.3655

 19.1595, 0.3589,
0.4104


247.3280, 0.3332,
0.3632

 11.7856, 0.3661,
0.4248

297.7054, 0.3320,
0.3611

 6.5979, 0.3755,
0.4452

354.4974, 0.3310,

 3.2119, 0.3880,

0.3592

0.4755

418.0882, 0.3300,
0.3576

■ 1.2433, 0.4348,
0.5652

■ 0.0967, 0.0000,
1.0000

■ 78.2049, 0.3425,
0.3795

■ 78.2049, 0.3425,
0.3795

■ 77.2288, 0.3573,
0.4047

■ 79.3481, 0.3276,
0.3542

■ 76.4015, 0.3714,
0.4290

■ 80.6551, 0.3131,
0.3296

■ 75.7182, 0.3844,
0.4513

■ 82.1361, 0.2992,
0.3061

■ 75.1697, 0.3955,
0.4707

■ 82.2393, 0.2992,
0.3058

■ 74.7456, 0.4044,
0.4864

■ 82.3185, 0.2995,
0.3058

■ 74.4344, 0.4106,
0.4978

■ 82.3980, 0.2998,
0.3058

■ 74.2219, 0.4143,
0.5047

■ 82.4776, 0.3001,
0.3058

■ 74.0866, 0.4158,
0.5081

■ 82.5575, 0.3005,
0.3059

■ 82.6376, 0.3008,
0.3059

Harmonies

Analogous

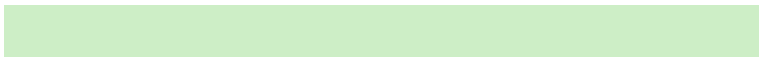
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2049, 0.3627, 0.3704



78.2049, 0.3425, 0.3795



78.2049, 0.3149, 0.3740

Triad

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



78.2049, 0.3425, 0.3795



78.2049, 0.2593, 0.3029



78.2049, 0.3372, 0.3052

Complementary

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



78.2049, 0.3425, 0.3795



50.9720, 0.2796, 0.2732

Split Complementary

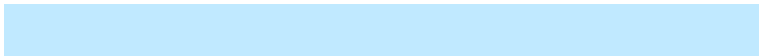
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2049, 0.3085, 0.2889



78.2049, 0.3425, 0.3795



78.2049, 0.2645, 0.2867

Square

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



78.2049, 0.3425, 0.3795



78.2049, 0.2675, 0.3278



78.2049, 0.2821, 0.2821



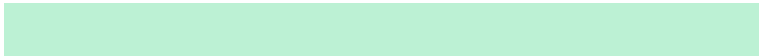
78.2049, 0.3598, 0.3275

Rectangle

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



78.2049, 0.3425, 0.3795



78.2049, 0.2962, 0.3622



78.2049, 0.2821, 0.2821



78.2049, 0.3278, 0.2989

Sweetspot

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



78.2084, 0.3425, 0.3795



98.9947, 0.3214, 0.3437



55.6966, 0.3529, 0.3300



21.1665, 0.3224, 0.3454



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.



78.2084, 0.3425, 0.3795



96.4315, 0.3483, 0.3893



74.5832, 0.3257, 0.3823



16.8015, 0.3264, 0.3522



41.1403, 0.4158, 0.5080



3.0449, 0.4164, 0.5076

Inverse Universe

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



50.9720, 0.2796, 0.2732



57.3222, 0.2723, 0.2610



54.1335, 0.2972, 0.2760



13.9010, 0.2983, 0.3047



3.2578, 0.1507, 0.0604



0.2457, 0.1525, 0.0614

Previews

White Background



This preview shows how the Yxy color 78.2049, 0.3425, 0.3795 looks on a white background.

Color Contrast Check

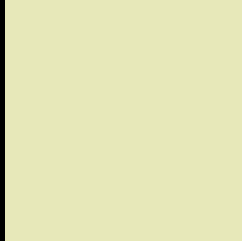
Large Text (above 18pt) WCAG AA × Fail

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 78.2049, 0.3425, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

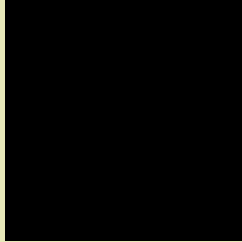
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

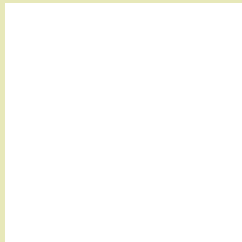
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2049, 0.3425, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 78.2049, 0.3425, 0.3795.



This preview shows how white text looks on a background with the Yxy color 78.2049, 0.3425, 0.3795.

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

78.2049, 0.3425, 0.3795

Protanopia

77.9604, 0.3535, 0.3763

Deuteranopia

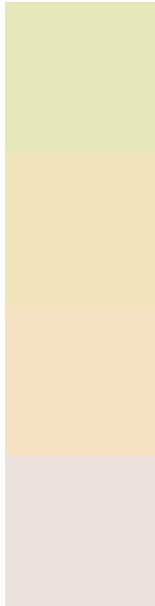
78.2524, 0.3511, 0.3514



Tritanopia

78.0728, 0.3115, 0.3107

Trichromacy



Original Color

78.2049, 0.3425, 0.3795

Protanomaly

77.8500, 0.3497, 0.3767

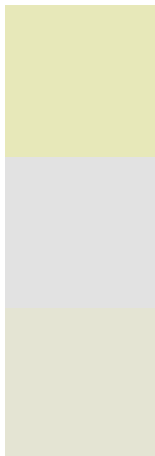
Deuteranomaly

77.9257, 0.3480, 0.3613

Tritanomaly

77.9915, 0.3229, 0.3353

Monochromacy



Original Color

78.2049, 0.3425, 0.3795

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.6839, 0.3237, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2049, 0.3425, 0.3795 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(231, 232, 185)` looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 185)  
}
```

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(231, 232, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 185) }
```

Border

The CSS property to change the border of an element to Yxy 78.2049, 0.3425, 0.3795 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(231, 232, 185) }
```

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

```
.border{ border-color:rgb(231, 232, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 232, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 232, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 232, 185); box-shadow:4px 4px 4px 4px rgb(231, 232, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2049, 0.3425, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 185) }
```

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

```
.background{ background-color: rgb(231,  
232, 185) }
```

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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