

Converting Colors

$Yxy(78.2804, 0.3423, 0.3789)$

Have a look what the booklet for
Yxy(78.2804, 0.3423, 0.3789)
contains.

Yxy(78.2473, 0.3418, 0.3785)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.2473, 0.3418, 0.3785)

Conversions

Conversions Part 1

Format	Color
Hex	E7E8BA
RGB	231, 232, 186
RGB Percent	91%, 91%, 73%
CMY	0.0943, 0.0901, 0.2707
CMYK	0.00, 0.00, 0.20, 0.09
HSL	61°, 50%, 82%
HSV	61°, 20%, 91%
XYZ	70.6603, 78.2473, 57.8224
YIQ	226.4570, 14.1700, -14.5180

Conversions

Conversions Part 2

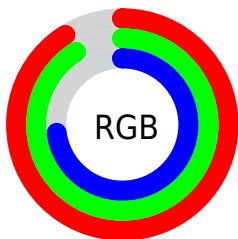
Format	Color
R_{YB}	186, 232, 187
Decimal	15198394
CIE _{Lab}	90.89, -7.80, 22.34
CIE _{LCh}	91, 23.658, 109.238
Yxy	78.2473, 0.3418, 0.3785
Android (android.graphics.Color)	4293388474 (0xFFE7E8BA)
YUV	226.4570, -19.9453, 3.9842
Hunter-Lab	88.4575, -12.2139, 23.1639

Details

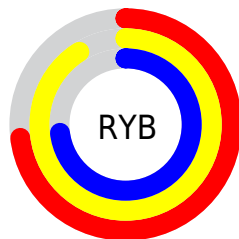
The Yxy color **78.2473, 0.3418, 0.3785** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.5097, 0.2804, 0.2745**, and the grayscale version is **76.5370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **41.8581, 0.3480, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **77.2529, 0.3565, 0.4038**, and if you desaturate by 10%, it is **79.4092, 0.3270, 0.3532**.

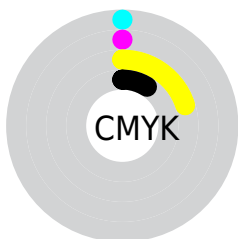
Distribution



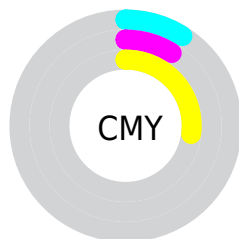
- Red (91%)
- Green (91%)
- Blue (73%)



- 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 78.2473, 0.3418, 0.3785 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 78.2473, 0.3418, 0.3785 by changing the saturation by 10% instead.


 78.2473, 0.3418,
0.3785

 78.2473, 0.3418,
0.3785


489.0063, 0.3287,
0.3556

 58.2772, 0.3447,
0.3837


 130.8987, 0.3374,
0.3706

 42.0315, 0.3481,
0.3901


164.3487, 0.3356,
0.3675

 29.1260, 0.3524,
0.3983


203.0608, 0.3341,
0.3648

 19.1761, 0.3579,
0.4088

247.4194, 0.3328,
0.3625

 11.7976, 0.3649,
0.4230

297.8088, 0.3316,
0.3604

 6.6060, 0.3742,
0.4430

354.6135, 0.3305,

 3.2170, 0.3865,

0.3586

0.4729

418.2179, 0.3296,
0.3570

■ 1.2460, 0.4354,
0.5646

■ 0.0988, 0.0000,
1.0000

■ 78.2473, 0.3418,
0.3785

■ 78.2473, 0.3418,
0.3785

■ 77.2529, 0.3565,
0.4038

■ 79.4092, 0.3270,
0.3532

■ 76.4078, 0.3707,
0.4281


■ 80.7353, 0.3125,
0.3286

■ 75.7071, 0.3836,
0.4506

■ 82.1978, 0.2990,
0.3058

■ 75.1417, 0.3948,
0.4702


■ 82.2889, 0.2994,
0.3058

 74.7013, 0.4037,
0.4861

 82.3802, 0.2997,
0.3058


 74.3743, 0.4100,
0.4977


 82.4719, 0.3001,
0.3059

 74.1468, 0.4137,
0.5049

 82.5637, 0.3004,
0.3059

 73.9954, 0.4152,
0.5085

 82.6559, 0.3008,
0.3059

 73.9933, 0.4152,
0.5085

 82.7484, 0.3011,
0.3059

Harmonies

Analogous

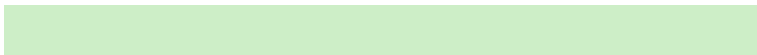
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2473, 0.3616, 0.3697



78.2473, 0.3418, 0.3785



78.2473, 0.3147, 0.3730

Triad

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



78.2473, 0.3418, 0.3785



78.2473, 0.2603, 0.3034



78.2473, 0.3368, 0.3057

Complementary

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



78.2473, 0.3418, 0.3785



51.5097, 0.2804, 0.2745

Split Complementary

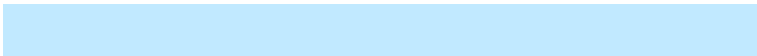
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2473, 0.3087, 0.2897



78.2473, 0.3418, 0.3785



78.2473, 0.2655, 0.2875

Square

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



78.2473, 0.3418, 0.3785



78.2473, 0.2683, 0.3277



78.2473, 0.2828, 0.2829



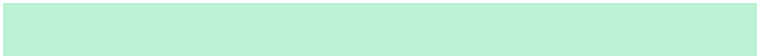
78.2473, 0.3590, 0.3277

Rectangle

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



78.2473, 0.3418, 0.3785



78.2473, 0.2964, 0.3614



78.2473, 0.2828, 0.2829



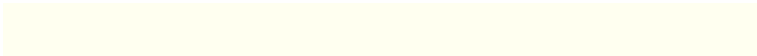
78.2473, 0.3277, 0.2995

Sweetspot

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



78.2508, 0.3418, 0.3785



98.9858, 0.3214, 0.3437



56.1385, 0.3519, 0.3300



21.1644, 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.



78.2508, 0.3418, 0.3785



96.3962, 0.3481, 0.3894



74.7145, 0.3255, 0.3812



16.7992, 0.3264, 0.3522



41.0772, 0.4153, 0.5085



3.0409, 0.4159, 0.5080

Inverse Universe

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



51.5097, 0.2804, 0.2745



57.3471, 0.2724, 0.2610



54.6057, 0.2976, 0.2771



13.9031, 0.2984, 0.3047



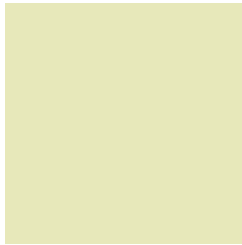
3.2614, 0.1508, 0.0604



0.2467, 0.1529, 0.0616

Previews

White Background



This preview shows how the Yxy color 78.2473, 0.3418, 0.3785 looks on a white background.

Color Contrast Check

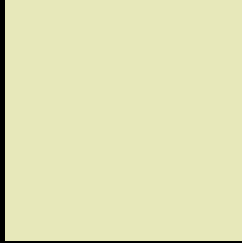
Large Text (above 18pt) WCAG AA × Fail

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 78.2473, 0.3418, 0.3785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

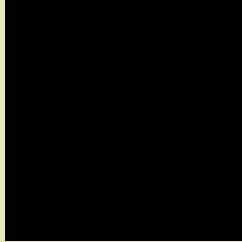
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2473, 0.3418, 0.3785

Background



This preview shows how black text looks on a background with the Yxy color 78.2473, 0.3418, 0.3785.



This preview shows how white text looks on a background with the Yxy color 78.2473, 0.3418, 0.3785.

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

78.2473, 0.3418, 0.3785

Protanopia

78.0022, 0.3529, 0.3752

Deuteranopia

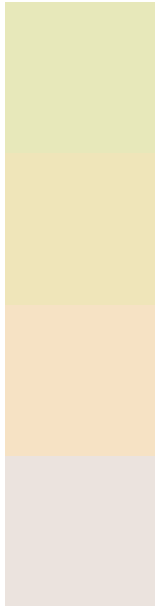
78.2524, 0.3511, 0.3514



Tritanopia

77.8993, 0.3108, 0.3106

Trichromacy



Original Color

78.2473, 0.3418, 0.3785

Protanomaly

77.8921, 0.3490, 0.3756

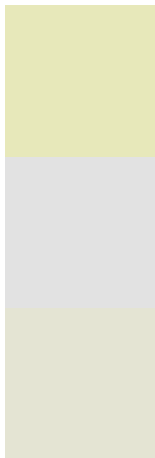
Deuteranomaly

77.9711, 0.3473, 0.3602

Tritanomaly

77.8743, 0.3216, 0.3343

Monochromacy



Original Color

78.2473, 0.3418, 0.3785

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 78.2473, 0.3418, 0.3785 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 186) }
```

Border

The CSS property to change the border of an element to Yxy 78.2473, 0.3418, 0.3785 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, 186) }
```

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

```
.border{ border-color:rgb(231, 232, 186) }
```

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, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 186);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2473, 0.3418, 0.3785 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, 186) }
```

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

```
.background{ background-color: rgb(231,  
232, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor