

Converting Colors

Yxy(78.4608, 0.3671, 0.4237)

Have a look what the booklet for
Yxy(78.4608, 0.3671, 0.4237)
contains.

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Color

Yxy(78.6478, 0.3673, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	E8EB92
RGB	232, 235, 146
RGB Percent	91%, 92%, 57%
CMY	0.0902, 0.0784, 0.4273
CMYK	0.01, 0.00, 0.38, 0.08
HSL	62°, 69%, 75%
HSV	62°, 38%, 92%
XYZ	68.1788, 78.6478, 38.7949
YIQ	223.9570, 26.7810, -28.3150

Conversions

Conversions Part 2

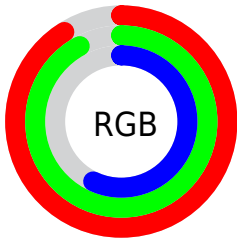
Format	Color
RYB	146, 235, 149
Decimal	15264658
CIELab	91.07, -13.95, 42.83
CIELCh	91, 45.039, 108.038
Yxy	78.6478, 0.3673, 0.4237
Android (android.graphics.Color)	4293454738 (0xFFE8EB92)
YUV	223.9570, -38.4328, 7.0537
Hunter-Lab	88.6836, -17.9679, 36.1419

Details

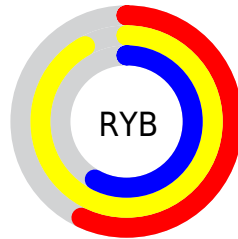
The Yxy color **78.6478, 0.3673, 0.4237** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.9599, 0.2453, 0.2146**, and the grayscale version is **74.7790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **42.1623, 0.3778, 0.4446** is the 20% darker color. If you saturate the color by 10%, you get **77.8612, 0.3803, 0.4468**, and if you desaturate by 10%, it is **79.5925, 0.3532, 0.3990**.

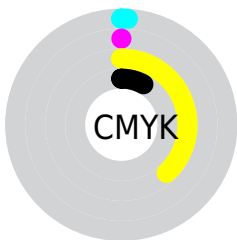
Distribution



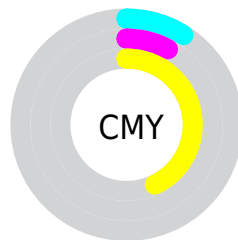
- Red (91%)
- Green (92%)
- Blue (57%)



- Red (57%)
- Yellow (92%)
- Blue (58%)



- Cyan (1%)
- Magenta (0%)
- Yellow (38%)
- Black (8%)




- Cyan (9%)
- Magenta (8%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6478, 0.3673, 0.4237 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 78.6478, 0.3673, 0.4237 by changing the saturation by 10% instead.

 78.6478, 0.3673,
0.4237


 78.6478, 0.3673,
0.4237


490.3641, 0.3437,
0.3800

 58.6063, 0.3721,
0.4334


 131.4629, 0.3595,
0.4087

 42.2963, 0.3777,
0.4452


 165.0053, 0.3564,
0.4028

 29.3333, 0.3843,
0.4598


203.8168, 0.3536,
0.3977

 19.3331, 0.3918,
0.4782

248.2817, 0.3512,
0.3933

 11.9112, 0.4001,
0.5015

298.7845, 0.3490,
0.3894

 6.6833, 0.4083,
0.5319

355.7096, 0.3471,

 3.2648, 0.4195,

0.3859

0.5805

419.4413, 0.3453,
0.3828

■ 1.2715, 0.3935,
0.6065

■ 0.1190, 0.0000,
1.0000

■ 78.6478, 0.3673,
0.4237

■ 78.6478, 0.3673,
0.4237

■ 77.8612, 0.3803,
0.4468

■ 79.5925, 0.3532,
0.3990

■ 77.2126, 0.3917,
0.4672

■ 80.6930, 0.3386,
0.3735


■ 76.6955, 0.4009,
0.4841


■ 81.9608, 0.3239,
0.3483

■ 76.2979, 0.4076,
0.4968


■ 83.4032, 0.3097,
0.3239

 76.0063, 0.4116,
0.5051

 84.4649, 0.3012,
0.3090

 75.8017, 0.4132,
0.5093

 84.6007, 0.3017,
0.3090

 75.7630, 0.4134,
0.5100

 84.7371, 0.3022,
0.3090

 84.8741, 0.3027,
0.3091

 85.0117, 0.3032,
0.3091

Harmonies

Analogous

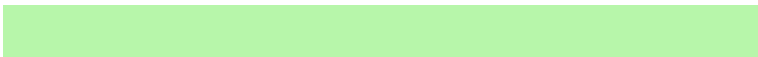
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6478, 0.4054, 0.4016



78.6478, 0.3673, 0.4237



78.6478, 0.3164, 0.4173

Triad

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



78.6478, 0.3673, 0.4237



78.6478, 0.2173, 0.2800



78.6478, 0.3558, 0.2847

Complementary

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



78.6478, 0.3673, 0.4237



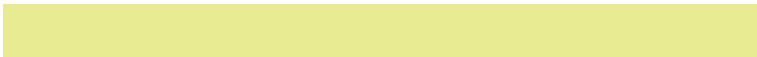
32.9599, 0.2453, 0.2146

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.



78.6478, 0.3018, 0.2573



78.6478, 0.3673, 0.4237



78.6478, 0.2256, 0.2523

Square

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



78.6478, 0.3673, 0.4237



78.6478, 0.2316, 0.3263



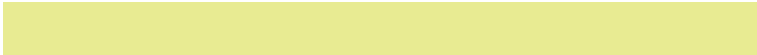
78.6478, 0.2550, 0.2454



78.6478, 0.4000, 0.3225

Rectangle

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



78.6478, 0.3673, 0.4237



78.6478, 0.2824, 0.3949



78.6478, 0.2550, 0.2454



78.6478, 0.3379, 0.2742

Sweetspot

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



78.6514, 0.3673, 0.4237



98.1445, 0.3286, 0.3563



41.2344, 0.4050, 0.3327



20.9618, 0.3306, 0.3597



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.



78.6514, 0.3673, 0.4237



93.9550, 0.3770, 0.4409



72.1294, 0.3348, 0.4349



17.5996, 0.3263, 0.3523



42.1763, 0.4135, 0.5099



3.3200, 0.4143, 0.5092

Inverse Universe

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



32.9599, 0.2453, 0.2146



31.9890, 0.2297, 0.1885



37.9685, 0.2808, 0.2249



14.5731, 0.2985, 0.3047



3.3776, 0.1511, 0.0606



0.2738, 0.1539, 0.0622

Previews

White Background



This preview shows how the Yxy color 78.6478, 0.3673, 0.4237 looks on a white background.

Color Contrast Check

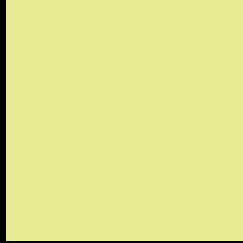
Large Text (above 18pt) WCAG AA × Fail

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 78.6478, 0.3673, 0.4237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

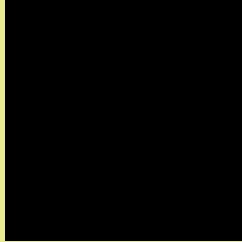
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6478, 0.3673, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 78.6478, 0.3673, 0.4237.

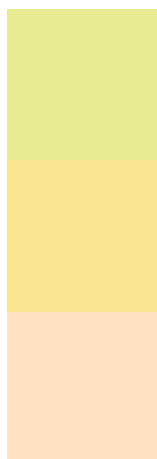


This preview shows how white text looks on a background with the Yxy color 78.6478, 0.3673, 0.4237.

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

78.6478, 0.3673, 0.4237

Protanopia

78.3762, 0.3844, 0.4157

Deuteranopia

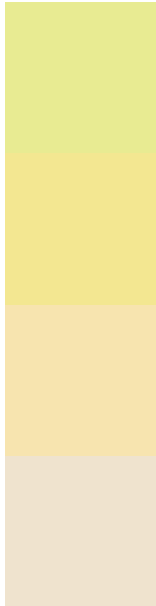
78.3771, 0.3572, 0.3617



Tritanopia

78.1809, 0.3150, 0.3108

Trichromacy



Original Color

78.6478, 0.3673, 0.4237

Protanomaly

78.2508, 0.3777, 0.4183

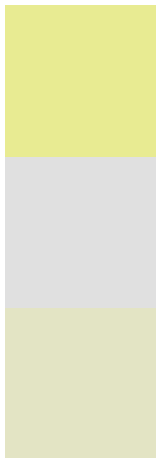
Deuteranomaly

78.3561, 0.3620, 0.3841

Tritanomaly

77.7451, 0.3351, 0.3511

Monochromacy



Original Color

78.6478, 0.3673, 0.4237

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.8032, 0.3330, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6478, 0.3673, 0.4237 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(232, 235, 146)` looks like.

```
.text, #text, p{  
    color:rgb(232, 235, 146)  
}
```

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(232, 235, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 235, 146) }
```

Border

The CSS property to change the border of an element to Yxy 78.6478, 0.3673, 0.4237 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(232, 235, 146) }
```

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

```
.border{ border-color:rgb(232, 235, 146) }
```

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

Here you see how a box with a 4 pixel rgb(232, 235, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 235, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 235, 146);  
box-shadow:4px 4px 4px 4px rgb(232, 235,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6478, 0.3673, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 235, 146) }
```

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

```
.background{ background-color: rgb(232,  
235, 146) }
```

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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