

Converting Colors

$Yxy(77.8297, 0.3878, 0.4544)$

Have a look what the booklet for
Yxy(77.8297, 0.3878, 0.4544)
contains.

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Color

Yxy(78.1013, 0.3875, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	EAEB71
RGB	234, 235, 113
RGB Percent	92%, 92%, 44%
CMY	0.0824, 0.0784, 0.5567
CMYK	0.00, 0.00, 0.52, 0.08
HSL	61°, 75%, 68%
HSV	61°, 52%, 92%
XYZ	66.6173, 78.1013, 27.1971
YIQ	220.7930, 38.5660, -38.1540

Conversions

Conversions Part 2

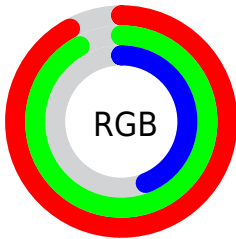
Format	Color
RYB	113, 235, 114
Decimal	15395697
CIELab	90.83, -16.32, 58.23
CIELCh	91, 60.471, 105.655
Yxy	78.1013, 0.3875, 0.4543
Android (android.graphics.Color)	4293585777 (0xFFEAEB71)
YUV	220.7930, -53.1419, 11.5825
Hunter-Lab	88.3749, -20.1022, 43.6162

Details

The Yxy color **78.1013, 0.3875, 0.4543** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **21.3997, 0.2134, 0.1640**, and the grayscale version is **72.5157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **41.7861, 0.4003, 0.4805** is the 20% darker color. If you saturate the color by 10%, you get **77.6085, 0.3985, 0.4729**, and if you desaturate by 10%, it is **78.7384, 0.3746, 0.4326**.

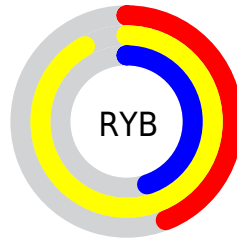
Distribution



Red (92%)

Green (92%)

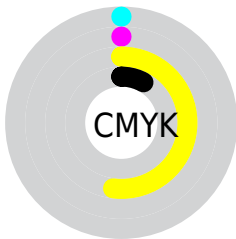
Blue (44%)



Red (44%)

Yellow (92%)

Blue (45%)

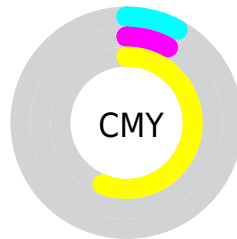


Cyan (0%)

Magenta (0%)

Yellow (52%)

Black (8%)



Cyan (8%)


Magenta (8%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1013, 0.3875, 0.4543 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 78.1013, 0.3875, 0.4543 by changing the saturation by 10% instead.


 78.1013, 0.3875,
0.4543


 78.1013, 0.3875,
0.4543


488.5108, 0.3564,
0.3975


 58.1572, 0.3933,
0.4664


 130.6929, 0.3777,
0.4352

 41.9350, 0.3998,
0.4808

 164.1092, 0.3736,
0.4275

 29.0504, 0.4067,
0.4979

 202.7850, 0.3699,
0.4209

 19.1190, 0.4135,
0.5182

247.1048, 0.3666,
0.4151

 11.7563, 0.4189,
0.5419

297.4528, 0.3637,
0.4099

 6.5779, 0.4247,
0.5753


354.2136, 0.3610,


 3.1996, 0.4070,


0.4053


0.5930

417.7714, 0.3586,
0.4012

 1.2368, 0.3746,
0.6254


 0.0915, 0.0000,
1.0000


 78.1013, 0.3875,
0.4543


 78.1013, 0.3875,
0.4543

 77.6085, 0.3985,
0.4729

 78.7384, 0.3746,
0.4326


 77.2384, 0.4071,
0.4876


 79.5186, 0.3604,
0.4087

 76.9821, 0.4132,
0.4980

 80.4543, 0.3454,
0.3837


 76.8247, 0.4166,
0.5040


 81.5537, 0.3303,
0.3584


 76.7505, 0.4178,
0.5064

 82.8241, 0.3155,
0.3336

 84.2728, 0.3013,
0.3099

 84.3681, 0.3008,
0.3090

 84.4020, 0.3009,
0.3090

 84.4359, 0.3011,
0.3090

Harmonies

Analogous

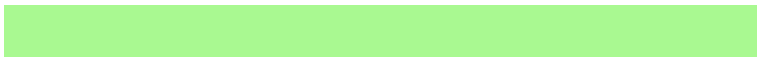
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1013, 0.4375, 0.4181



78.1013, 0.3875, 0.4543



78.1013, 0.3206, 0.4535

Triad

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



78.1013, 0.3875, 0.4543



78.1013, 0.1893, 0.2658



78.1013, 0.3642, 0.2675

Complementary

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



78.1013, 0.3875, 0.4543



21.3997, 0.2134, 0.1640

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.



78.1013, 0.2915, 0.2343



78.1013, 0.3875, 0.4543



78.1013, 0.1977, 0.2297

Square

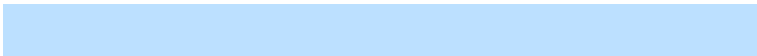
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1013, 0.3875, 0.4543



78.1013, 0.2085, 0.3291



78.1013, 0.2325, 0.2204



78.1013, 0.4268, 0.3142

Rectangle

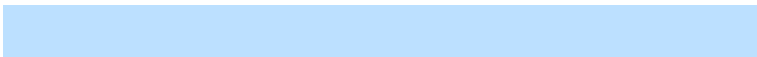
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1013, 0.3875, 0.4543



78.1013, 0.2757, 0.4251



78.1013, 0.2325, 0.2204



78.1013, 0.3397, 0.2546

Sweetspot

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



78.1049, 0.3875, 0.4543



97.5799, 0.3366, 0.3689



30.6759, 0.4635, 0.3294



20.8278, 0.3397, 0.3741



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.



78.1049, 0.3875, 0.4543



93.3886, 0.3989, 0.4735



69.6174, 0.3431, 0.4762



17.6201, 0.3267, 0.3523



42.7138, 0.4179, 0.5064



3.3562, 0.4181, 0.5062

Inverse Universe

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



21.3997, 0.2134, 0.1640



18.3608, 0.1922, 0.1289



26.8191, 0.2611, 0.1825



14.5550, 0.2981, 0.3046



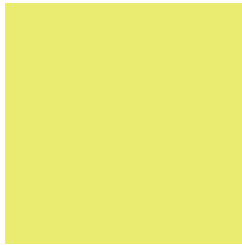
3.3481, 0.1503, 0.0602



0.2651, 0.1510, 0.0606

Previews

White Background



This preview shows how the Yxy color 78.1013, 0.3875, 0.4543 looks on a white background.

Color Contrast Check

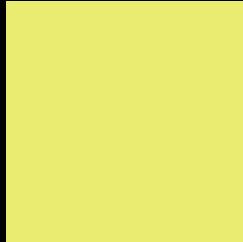
Large Text (above 18pt) WCAG AA × Fail

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 78.1013, 0.3875, 0.4543 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 78.1013, 0.3875, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 78.1013, 0.3875, 0.4543.



This preview shows how white text looks on a background with the Yxy color 78.1013, 0.3875, 0.4543.

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

78.1013, 0.3875, 0.4543

Protanopia

78.0690, 0.4061, 0.4441

Deuteranopia

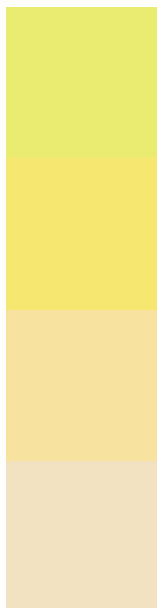
77.5805, 0.3617, 0.3669



Tritanopia

77.7191, 0.3192, 0.3109

Trichromacy



Original Color

78.1013, 0.3875, 0.4543

Protanomaly

77.9145, 0.3992, 0.4475

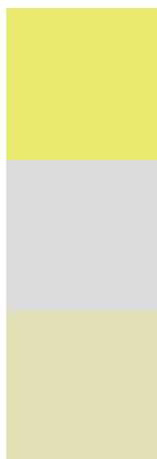
Deuteranomaly

77.2155, 0.3731, 0.3997

Tritanomaly

77.1202, 0.3464, 0.3637

Monochromacy



Original Color

78.1013, 0.3875, 0.4543

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.9389, 0.3420, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1013, 0.3875, 0.4543 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(234, 235, 113)` looks like.

```
.text, #text, p{  
    color:rgb(234, 235, 113)  
}
```

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(234, 235, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 235, 113) }
```

Border

The CSS property to change the border of an element to Yxy 78.1013, 0.3875, 0.4543 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(234, 235, 113) }
```

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

```
.border{ border-color:rgb(234, 235, 113) }
```

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

Here you see how a box with a 4 pixel rgb(234, 235, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 235, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 235, 113);  
box-shadow:4px 4px 4px 4px rgb(234, 235,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1013, 0.3875, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 235, 113) }
```

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

```
.background{ background-color: rgb(234,  
235, 113) }
```

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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