

Converting Colors

$Y_{xy}(100.0000, 0.4559, 0.3925)$

Have a look what the booklet for
Yxy(100.0000, 0.4559, 0.3925)
contains.

Yxy(78.1512, 0.3903, 0.4145)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.1512, 0.3903, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	FFE38E
RGB	255, 227, 142
RGB Percent	100%, 89%, 56%
CMY	0.0001, 0.1098, 0.4431
CMYK	0.00, 0.11, 0.44, 0.00
HSL	45°, 100%, 78%
HSV	45°, 44%, 100%
XYZ	73.5885, 78.1512, 36.8037
YIQ	225.6820, 43.9730, -20.4990

Conversions

Conversions Part 2

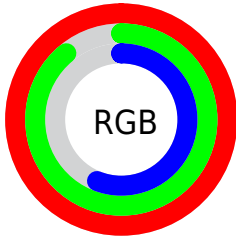
Format	Color
R _Y B	179, 255, 142
Decimal	16769934
CIE Lab	90.85, -1.43, 44.90
CIE LCh	91, 44.927, 91.830
Yxy	78.1512, 0.3903, 0.4145
Android (android.graphics.Color)	4294960014 (0xFFFFE38E)
YUV	225.6820, -41.2552, 25.7119
Hunter-Lab	88.4032, -6.1188, 37.1988

Details

The Yxy color **78.1512, 0.3903, 0.4145** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.7180, 0.2347, 0.2247**, and the grayscale version is **76.0935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **41.9790, 0.4056, 0.4326** is the 20% darker color. If you saturate the color by 10%, you get **74.0831, 0.4092, 0.4318**, and if you desaturate by 10%, it is **82.5284, 0.3713, 0.3955**.

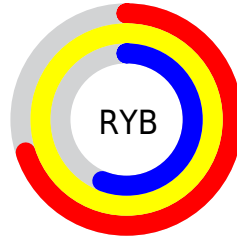
Distribution



Red (100%)

Green (89%)

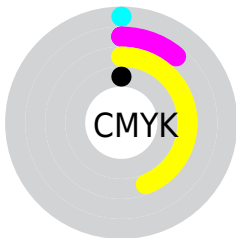
Blue (56%)



Red (70%)

Yellow (100%)

Blue (56%)

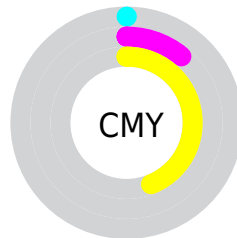


Cyan (0%)

Magenta (11%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1512, 0.3903, 0.4145 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 78.1512, 0.3903, 0.4145 by changing the saturation by 10% instead.


 78.1512, 0.3903,
0.4145


 78.1512, 0.3903,
0.4145


488.6802, 0.3559,
0.3764

 58.1982, 0.3976,
0.4226


 130.7632, 0.3788,
0.4017

 41.9680, 0.4062,
0.4323


 164.1911, 0.3742,
0.3966

 29.0762, 0.4165,
0.4439


202.8793, 0.3702,
0.3921

 19.1385, 0.4287,
0.4579

247.2123, 0.3666,
0.3882

 11.7704, 0.4432,
0.4746

297.5745, 0.3635,
0.3847

 6.5875, 0.4610,
0.4955

354.3503, 0.3607,

 3.2055, 0.4805,

0.3816

0.5195

417.9240, 0.3582,
0.3789

■ 1.2399, 0.4780,
0.5220

■ 0.0940, 0.3662,
0.6338

■ 78.1512, 0.3903,
0.4145

■ 78.1512, 0.3903,
0.4145

■ 74.0831, 0.4092,
0.4318

■ 82.5284, 0.3713,
0.3955

■ 70.2999, 0.4271,
0.4464

■ 87.2161, 0.3529,
0.3758

■ 66.7900, 0.4433,
0.4571

■ 92.2293, 0.3355,
0.3561

■ 63.5363, 0.4569,
0.4631

■ 97.5786, 0.3193,
0.3369

■ 60.5180, 0.4674,
0.4643

99.9971, 0.3127,
0.3290

■ 58.8875, 0.4723,
0.4632

Harmonies

Analogous

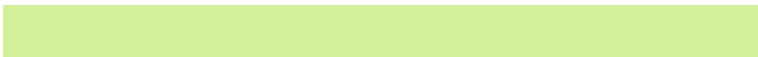
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1512, 0.4161, 0.3825



78.1512, 0.3903, 0.4145



78.1512, 0.3446, 0.4249

Triad

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



78.1512, 0.3903, 0.4145



78.1512, 0.2223, 0.3032



78.1512, 0.3266, 0.2683

Complementary

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



78.1512, 0.3903, 0.4145



41.7180, 0.2347, 0.2247

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.



78.1512, 0.2748, 0.2487



78.1512, 0.3903, 0.4145



78.1512, 0.2184, 0.2647

Square

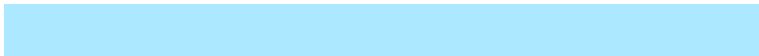
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1512, 0.3903, 0.4145



78.1512, 0.2484, 0.3555



78.1512, 0.2366, 0.2467



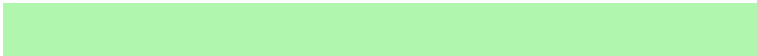
78.1512, 0.3784, 0.3012

Rectangle

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



78.1512, 0.3903, 0.4145



78.1512, 0.3098, 0.4141



78.1512, 0.2366, 0.2467



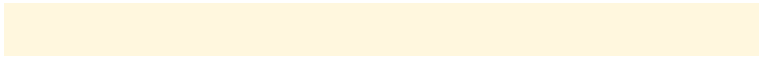
78.1512, 0.3085, 0.2601

Sweetspot

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



78.1548, 0.3903, 0.4145



92.9197, 0.3333, 0.3535



43.5208, 0.4008, 0.2997



19.6436, 0.3370, 0.3578



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.



78.1548, 0.3903, 0.4145



74.6072, 0.4067, 0.4297



89.7530, 0.3592, 0.4463



20.2839, 0.3275, 0.3468



31.0223, 0.4713, 0.4640



3.1926, 0.4640, 0.4698

Inverse Universe

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



41.7180, 0.2347, 0.2247



34.0888, 0.2182, 0.1999



35.1456, 0.2484, 0.1968



18.1083, 0.2979, 0.3106



5.8345, 0.1578, 0.0880



0.7316, 0.1636, 0.1087

Previews

White Background



This preview shows how the Yxy color 78.1512, 0.3903, 0.4145 looks on a white background.

Color Contrast Check

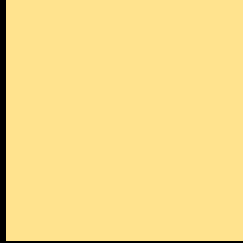
Large Text (above 18pt) WCAG AA × Fail

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 78.1512, 0.3903, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

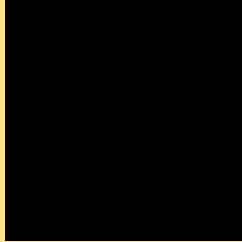
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1512, 0.3903, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 78.1512, 0.3903, 0.4145.



This preview shows how white text looks on a background with the Yxy color 78.1512, 0.3903, 0.4145.

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

78.1512, 0.3903, 0.4145

Protanopia

78.3458, 0.3850, 0.4166

Deuteranopia

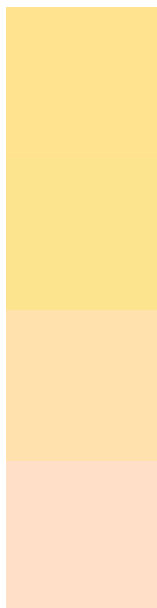
78.2890, 0.3586, 0.3637



Tritanopia

78.2726, 0.3298, 0.3171

Trichromacy



Original Color

78.1512, 0.3903, 0.4145

Protanomaly

78.1654, 0.3870, 0.4152

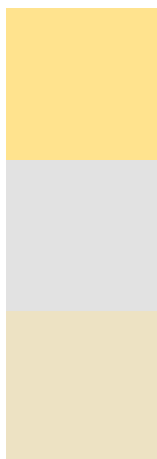
Deuteranomaly

78.1276, 0.3703, 0.3821

Tritanomaly

78.1589, 0.3525, 0.3535

Monochromacy



Original Color

78.1512, 0.3903, 0.4145

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.3374, 0.3413, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1512, 0.3903, 0.4145 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(255, 227, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 142)  
}
```

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(255, 227, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 142) }
```

Border

The CSS property to change the border of an element to Yxy 78.1512, 0.3903, 0.4145 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(255, 227, 142) }
```

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

```
.border{ border-color:rgb(255, 227, 142) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1512, 0.3903, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 142) }
```

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

```
.background{ background-color: rgb(255,  
227, 142) }
```

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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