

Converting Colors

$Y_{xy}(78.7352, 0.3916, 0.4272)$

Have a look what the booklet for
Yxy(78.7352, 0.3916, 0.4272)
contains.

Yxy(78.7688, 0.3921, 0.4275)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.7688, 0.3921, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	FBE684
RGB	251, 230, 132
RGB Percent	98%, 90%, 52%
CMY	0.0157, 0.0980, 0.4822
CMYK	0.00, 0.08, 0.47, 0.02
HSL	49°, 94%, 75%
HSV	49°, 47%, 98%
XYZ	72.2462, 78.7688, 33.2395
YIQ	225.1070, 43.9740, -26.0260

Conversions

Conversions Part 2

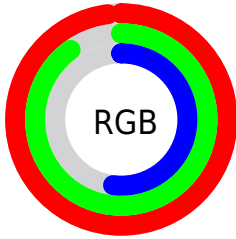
Format	Color
R _Y B	158, 251, 132
Decimal	16508548
CIE Lab	91.13, -5.45, 50.04
CIE LCh	91, 50.335, 96.219
Yxy	78.7688, 0.3921, 0.4275
Android (android.graphics.Color)	4294698628 (0xFFFB E684)
YUV	225.1070, -45.9018, 22.7082
Hunter-Lab	88.7518, -10.0121, 39.9208

Details

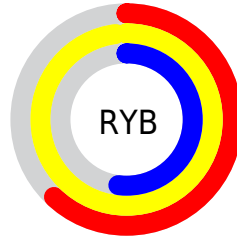
The Yxy color **78.7688, 0.3921, 0.4275** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.6657, 0.2269, 0.2052**, and the grayscale version is **75.6930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **42.4456, 0.4067, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **75.7318, 0.4087, 0.4452**, and if you desaturate by 10%, it is **82.0410, 0.3747, 0.4076**.

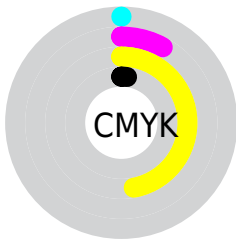
Distribution



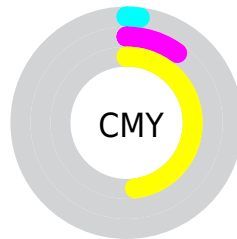
- Red (98%)
- Green (90%)
- Blue (52%)



- Red (62%)
- Yellow (98%)
- Blue (52%)



- Cyan (0%)
- Magenta (8%)
- Yellow (47%)
- Black (2%)




- Cyan (2%)
- Magenta (10%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7688, 0.3921, 0.4275 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 78.7688, 0.3921, 0.4275 by changing the saturation by 10% instead.

 78.7688, 0.3921,
0.4275


 78.7688, 0.3921,
0.4275


490.7739, 0.3575,
0.3835


 58.7057, 0.3992,
0.4368

 131.6333, 0.3807,
0.4127

 42.3763, 0.4074,
0.4479


 165.2036, 0.3761,
0.4069

 29.3960, 0.4171,
0.4611


 204.0450, 0.3720,
0.4017

 19.3806, 0.4281,
0.4769

248.5420, 0.3685,
0.3972

 11.9456, 0.4403,
0.4954

299.0790, 0.3653,
0.3932

 6.7067, 0.4577,
0.5225

356.0404, 0.3624,

 3.2793, 0.4614,

0.3896

0.5386

419.8106, 0.3599,
0.3864

■ 1.2792, 0.4516,
0.5484

■ 0.1251, 0.0000,
1.0000

■ 78.7688, 0.3921,
0.4275

■ 78.7688, 0.3921,
0.4275

■ 75.7318, 0.4087,
0.4452

■ 82.0410, 0.3747,
0.4076

■ 72.9066, 0.4237,
0.4597


■ 85.5488, 0.3572,
0.3865

■ 70.2827, 0.4365,
0.4701

■ 89.3062, 0.3402,
0.3651

■ 67.8435, 0.4464,
0.4758

■ 93.3228, 0.3240,
0.3440

 65.5675, 0.4535,
0.4770

 97.4432, 0.3103,
0.3263

 64.9927, 0.4551,
0.4769

 99.2483, 0.3102,
0.3290

Harmonies

Analogous

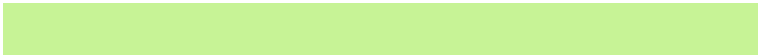
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7688, 0.4254, 0.3934



78.7688, 0.3921, 0.4275



78.7688, 0.3391, 0.4357

Triad

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



78.7688, 0.3921, 0.4275



78.7688, 0.2105, 0.2920



78.7688, 0.3369, 0.2665

Complementary

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



78.7688, 0.3921, 0.4275



34.6657, 0.2269, 0.2052

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.



78.7688, 0.2780, 0.2426



78.7688, 0.3921, 0.4275



78.7688, 0.2101, 0.2529

Square

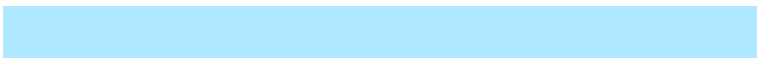
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7688, 0.3921, 0.4275



78.7688, 0.2354, 0.3494



78.7688, 0.2333, 0.2370



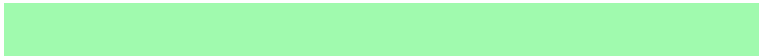
78.7688, 0.3934, 0.3040

Rectangle

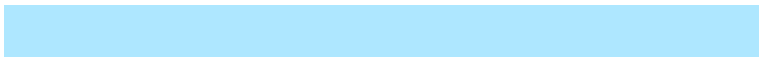
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7688, 0.3921, 0.4275



78.7688, 0.3004, 0.4202



78.7688, 0.2333, 0.2370



78.7688, 0.3165, 0.2567

Sweetspot

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



78.7725, 0.3921, 0.4275



93.9569, 0.3346, 0.3579



39.3500, 0.4192, 0.3063



19.9216, 0.3382, 0.3625



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

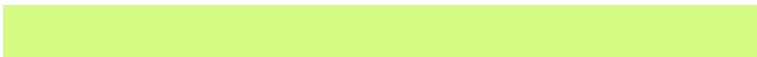
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7725, 0.3921, 0.4275



78.6127, 0.4081, 0.4447



84.8534, 0.3563, 0.4567



19.6390, 0.3273, 0.3484



34.3581, 0.4544, 0.4774



3.3142, 0.4495, 0.4813

Inverse Universe

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



34.6657, 0.2269, 0.2052



27.9233, 0.2080, 0.1753



31.9920, 0.2490, 0.1889



17.1381, 0.2979, 0.3088



4.7653, 0.1544, 0.0758



0.5738, 0.1597, 0.0950

Previews

White Background



This preview shows how the Yxy color 78.7688, 0.3921, 0.4275 looks on a white background.

Color Contrast Check

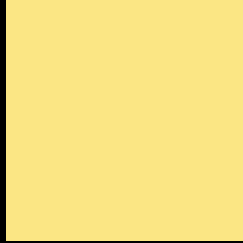
Large Text (above 18pt) WCAG AA × Fail

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 78.7688, 0.3921, 0.4275 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 78.7688, 0.3921, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 78.7688, 0.3921, 0.4275.



This preview shows how white text looks on a background with the Yxy color 78.7688, 0.3921, 0.4275.

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

78.7688, 0.3921, 0.4275

Protanopia

78.9550, 0.3929, 0.4272

Deuteranopia

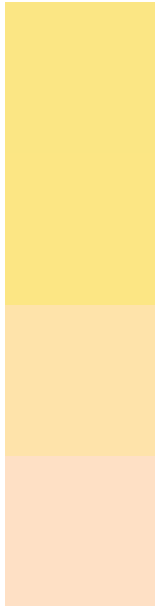
78.8720, 0.3577, 0.3637



Tritanopia

78.9134, 0.3283, 0.3161

Trichromacy



Original Color

78.7688, 0.3921, 0.4275

Protanomaly

78.9550, 0.3929, 0.4272

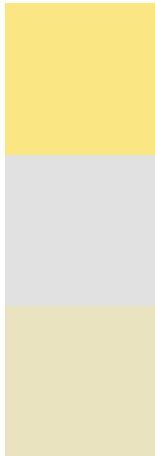
Deuteranomaly

78.9113, 0.3710, 0.3872

Tritanomaly

78.4134, 0.3529, 0.3566

Monochromacy



Original Color

78.7688, 0.3921, 0.4275

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.1922, 0.3416, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7688, 0.3921, 0.4275 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(251, 230, 132)` looks like.

```
.text, #text, p{  
    color:rgb(251, 230, 132)  
}
```

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(251, 230, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 230, 132) }
```

Border

The CSS property to change the border of an element to Yxy 78.7688, 0.3921, 0.4275 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(251, 230, 132) }
```

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

```
.border{ border-color:rgb(251, 230, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 230, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 230, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 230, 132);  
box-shadow:4px 4px 4px 4px rgb(251, 230,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7688, 0.3921, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 230, 132) }
```

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

```
.background{ background-color: rgb(251,  
230, 132) }
```

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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