

Converting Colors

Yxy(78.5682, 0.4370, 0.4912)

Have a look what the booklet for
Yxy(78.5682, 0.4370, 0.4912)
contains.

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Color

Yxy(78.4118, 0.4372, 0.4910)

Conversions

Conversions Part 1

Format	Color
Hex	FFE700
RGB	255, 231, 0
RGB Percent	100%, 91%, 0%
CMY	0.0000, 0.0941, 0.9983
CMYK	0.00, 0.09, 1.00, 0.00
HSL	54°, 100%, 50%
HSV	54°, 100%, 100%
XYZ	69.8200, 78.4118, 11.4663
YIQ	211.8420, 88.4550, -66.7530

Conversions

Conversions Part 2

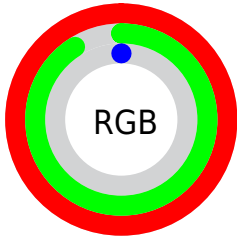
Format	Color
R _Y B	26, 255, 0
Decimal	16770816
CIE Lab	90.97, -9.92, 89.98
CIE LCh	91, 90.526, 96.292
Yxy	78.4118, 0.4372, 0.4910
Android (android.graphics.Color)	4294960896 (0xFFFFE700)
YUV	211.8420, -104.4381, 37.8496
Hunter-Lab	88.5504, -14.2200, 54.3079

Details

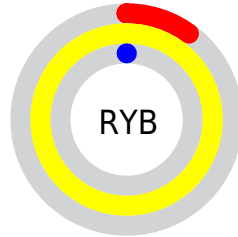
The Yxy color **78.4118, 0.4372, 0.4910** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **7.8935, 0.1514, 0.0650**, and the grayscale version is **66.4249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **42.3881, 0.4357, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **78.3907, 0.4372, 0.4910**, and if you desaturate by 10%, it is **79.8423, 0.4331, 0.4893**.

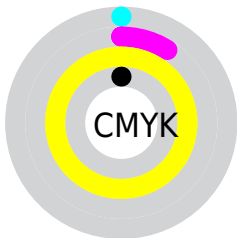
Distribution



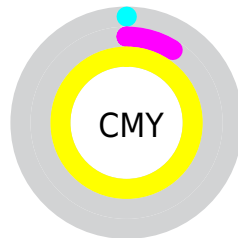
- Red (100%)
- Green (91%)
- Blue (0%)



- Red (10%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4118, 0.4372, 0.4910 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 78.4118, 0.4372, 0.4910 by changing the saturation by 10% instead.


 78.4118, 0.4372,
0.4910


 78.4118, 0.4372,
0.4910


489.5642, 0.3905,
0.4255


 58.4123, 0.4441,
0.5021


 131.1305, 0.4240,
0.4712

 42.1402, 0.4505,
0.5137


 164.6184, 0.4179,
0.4626

 29.2111, 0.4557,
0.5252


 203.3714, 0.4123,
0.4548

 19.2406, 0.4611,
0.5389

 247.7737, 0.4072,
0.4478

 11.8442, 0.4565,
0.5435

 298.2097, 0.4024,
0.4414

 6.6377, 0.4498,
0.5502

 355.0639, 0.3981,

 3.2366, 0.4394,

0.4356

0.5606

418.7206, 0.3941,
0.4304

■ 1.2565, 0.4211,
0.5789

■ 0.1071, 0.0000,
1.0000

■ 78.4118, 0.4372,
0.4910

■ 78.4118, 0.4372,
0.4910

■ 78.3907, 0.4372,
0.4910

■ 79.8423, 0.4331,
0.4893

■ 81.3842, 0.4266,
0.4836

■ 83.0683, 0.4173,
0.4734

■ 84.9121, 0.4053,
0.4589

86.9304, 0.3914,
0.4408

89.1362, 0.3760,
0.4199

91.5411, 0.3598,
0.3974

94.1558, 0.3436,
0.3742

96.9900, 0.3277,
0.3511

Harmonies

Analogous

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



78.4118, 0.5025, 0.4210



78.4118, 0.4372, 0.4910



78.4118, 0.3460, 0.5273

Triad

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



78.4118, 0.4372, 0.4910



78.4118, 0.1451, 0.2559



78.4118, 0.3523, 0.2257

Complementary

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



78.4118, 0.4372, 0.4910



7.8935, 0.1514, 0.0650

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.



78.4118, 0.2503, 0.1893



78.4118, 0.4372, 0.4910



78.4118, 0.1468, 0.1977

Square

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



78.4118, 0.4372, 0.4910



78.4118, 0.1789, 0.3611



78.4118, 0.1809, 0.1786



78.4118, 0.4577, 0.2821

Rectangle

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



78.4118, 0.4372, 0.4910



78.4118, 0.2817, 0.5061



78.4118, 0.1809, 0.1786



78.4118, 0.3157, 0.2110

Sweetspot

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



78.4140, 0.4372, 0.4910



91.4994, 0.3601, 0.3978



21.3433, 0.6308, 0.3250



19.3626, 0.3670, 0.4074



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.



78.4140, 0.4372, 0.4910



78.3907, 0.4372, 0.4910



78.3098, 0.3500, 0.5602



20.7806, 0.3271, 0.3503



41.0811, 0.4369, 0.4913



4.0816, 0.4347, 0.4931

Inverse Universe

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



7.8935, 0.1514, 0.0650



7.8748, 0.1514, 0.0649



10.0689, 0.1827, 0.0781



17.6530, 0.2979, 0.3068



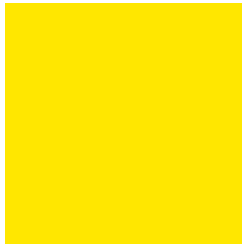
4.2061, 0.1517, 0.0661



0.4978, 0.1552, 0.0785

Previews

White Background



This preview shows how the Yxy color 78.4118, 0.4372, 0.4910 looks on a white background.

Color Contrast Check

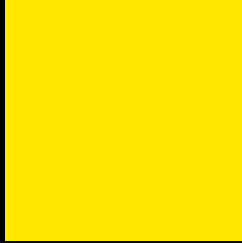
Large Text (above 18pt) WCAG AA × Fail

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 78.4118, 0.4372, 0.4910 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 78.4118, 0.4372, 0.4910

Background



This preview shows how black text looks on a background with the Yxy color 78.4118, 0.4372, 0.4910.



This preview shows how white text looks on a background with the Yxy color 78.4118, 0.4372, 0.4910.

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

78.4118, 0.4372, 0.4910

Protanopia

78.5918, 0.4173, 0.4595

Deuteranopia

78.5293, 0.3633, 0.3719



Tritanopia

78.2159, 0.3305, 0.3181

Trichromacy



Original Color

78.4118, 0.4372, 0.4910



Protanomaly

78.1490, 0.4294, 0.4775



Deuteranomaly

77.4825, 0.4054, 0.4368



Tritanomaly

76.6779, 0.3884, 0.4070

Monochromacy



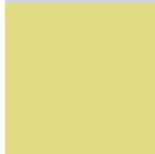
Original Color

78.4118, 0.4372, 0.4910



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.9063, 0.3772, 0.4212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4118, 0.4372, 0.4910 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, 231, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 0)  
}
```

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, 231, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 0) }
```

Border

The CSS property to change the border of an element to Yxy 78.4118, 0.4372, 0.4910 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, 231, 0) }
```

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

```
.border{ border-color:rgb(255, 231, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 231, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4118, 0.4372, 0.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 0) }
```

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

```
.background{ background-color: rgb(255,  
231, 0) }
```

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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