

Converting Colors

$Yxy(78.4423, 0.4349, 0.4875)$

Have a look what the booklet for
Yxy(78.4423, 0.4349, 0.4875)
contains.

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Color

Yxy(78.4910, 0.4349, 0.4875)

Conversions

Conversions Part 1

Format	Color
Hex	FFE71B
RGB	255, 231, 27
RGB Percent	100%, 91%, 11%
CMY	0.0000, 0.0941, 0.8942
CMYK	0.00, 0.09, 0.89, 0.00
HSL	54°, 100%, 55%
HSV	54°, 89%, 100%
XYZ	70.0220, 78.4910, 12.4942
YIQ	214.9200, 79.7880, -58.3560

Conversions

Conversions Part 2

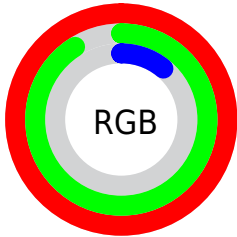
Format	Color
R_{YB}	54, 255, 27
Decimal	16770843
CIE _{Lab}	91.00, -9.64, 87.30
CIE _{LCh}	91, 87.832, 96.302
Yxy	78.4910, 0.4349, 0.4875
Android (android.graphics.Color)	4294960923 (0xFFFFE71B)
YUV	214.9200, -92.6446, 35.1502
Hunter-Lab	88.5951, -13.9623, 53.6552

Details

The Yxy color **78.4910, 0.4349, 0.4875** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.8184, 0.1575, 0.0786**, and the grayscale version is **68.4933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7001, 0.3986, 0.4709**, and **42.5200, 0.4366, 0.4915** is the 20% darker color. If you saturate the color by 10%, you get **76.9220, 0.4393, 0.4892**, and if you desaturate by 10%, it is **80.1763, 0.4279, 0.4818**.

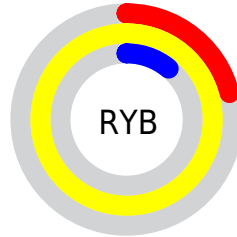
Distribution



Red (100%)

Green (91%)

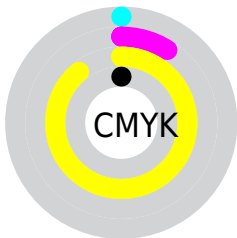
Blue (11%)



Red (21%)

Yellow (100%)

Blue (11%)

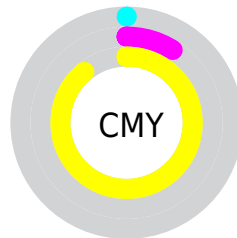


Cyan (0%)

Magenta (9%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4910, 0.4349, 0.4875 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 78.4910, 0.4349, 0.4875 by changing the saturation by 10% instead.


 78.4910, 0.4349,
0.4875


 78.4910, 0.4349,
0.4875


489.8327, 0.3884,
0.4228


 58.4774, 0.4420,
0.4987


 131.2420, 0.4215,
0.4678


 42.1926, 0.4488,
0.5106

 164.7483, 0.4155,
0.4592


 29.2521, 0.4546,
0.5225


 203.5209, 0.4099,
0.4516

 19.2716, 0.4613,
0.5374

 247.9442, 0.4048,
0.4446

 11.8667, 0.4574,
0.5426

 298.4026, 0.4001,
0.4384

 6.6530, 0.4509,
0.5491

 355.2806, 0.3959,

 3.2460, 0.4408,

0.4327

0.5592

418.9625, 0.3919,
0.4275

■ 1.2615, 0.4231,
0.5769

■ 0.1111, 0.0000,
1.0000

■ 78.4910, 0.4349,
0.4875

■ 78.4910, 0.4349,
0.4875

■ 76.9220, 0.4393,
0.4892

■ 80.1763, 0.4279,
0.4818

■ 76.8333, 0.4395,
0.4892


■ 82.0111, 0.4181,
0.4715


■ 84.0108, 0.4057,
0.4570

■ 86.1902, 0.3914,
0.4388

 88.5622, 0.3757,
0.4181

 91.1384, 0.3594,
0.3957

 93.9294, 0.3430,
0.3727

 96.9451, 0.3270,
0.3499

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.4910, 0.4980, 0.4199



78.4910, 0.4349, 0.4875



78.4910, 0.3460, 0.5212

Triad

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



78.4910, 0.4349, 0.4875



78.4910, 0.1490, 0.2584



78.4910, 0.3514, 0.2283

Complementary

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



78.4910, 0.4349, 0.4875



9.8184, 0.1575, 0.0786

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.



78.4910, 0.2521, 0.1925



78.4910, 0.4349, 0.4875



78.4910, 0.1505, 0.2011

Square

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



78.4910, 0.4349, 0.4875



78.4910, 0.1825, 0.3604



78.4910, 0.1841, 0.1821



78.4910, 0.4535, 0.2836

Rectangle

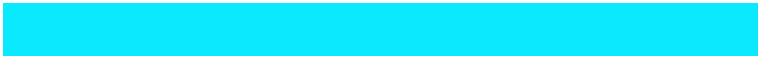
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4910, 0.4349, 0.4875



78.4910, 0.2832, 0.4999



78.4910, 0.1841, 0.1821



78.4910, 0.3159, 0.2138

Sweetspot

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



78.4889, 0.4349, 0.4875



91.7942, 0.3554, 0.3902



22.3051, 0.6032, 0.3182



19.4506, 0.3610, 0.3980



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.



78.4889, 0.4349, 0.4875



76.8333, 0.4395, 0.4892



79.8789, 0.3572, 0.5486



20.7447, 0.3272, 0.3501



40.2791, 0.4391, 0.4895



4.0118, 0.4366, 0.4915

Inverse Universe

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



9.8184, 0.1575, 0.0786



7.9967, 0.1516, 0.0658



11.6059, 0.1919, 0.0876



17.6853, 0.2979, 0.3070



4.2776, 0.1520, 0.0671



0.5130, 0.1557, 0.0806

Previews

White Background



This preview shows how the Yxy color 78.4910, 0.4349, 0.4875 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 78.4910, 0.4349, 0.4875 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 78.4910, 0.4349, 0.4875

Background



This preview shows how black text looks on a background with the Yxy color 78.4910, 0.4349, 0.4875.



This preview shows how white text looks on a background with the Yxy color 78.4910, 0.4349, 0.4875.

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

78.4910, 0.4349, 0.4875

Protanopia

78.6090, 0.4169, 0.4588

Deuteranopia

78.5293, 0.3633, 0.3719



Tritanopia

78.2159, 0.3305, 0.3181

Trichromacy



Original Color

78.4910, 0.4349, 0.4875



Protanomaly

78.2710, 0.4259, 0.4723



Deuteranomaly

77.7045, 0.4002, 0.4291



Tritanomaly

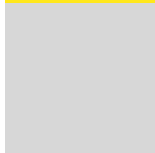
77.0056, 0.3816, 0.3972

Monochromacy



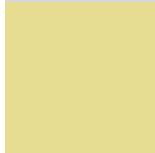
Original Color

78.4910, 0.4349, 0.4875



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.6425, 0.3701, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4910, 0.4349, 0.4875 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 27) }
```

Border

The CSS property to change the border of an element to Yxy 78.4910, 0.4349, 0.4875 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, 27) }
```

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

```
.border{ border-color:rgb(255, 231, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4910, 0.4349, 0.4875 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, 27) }
```

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

```
.background{ background-color: rgb(255,  
231, 27) }
```

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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