

Converting Colors

$Yxy(77.1575, 0.4253, 0.4676)$

Have a look what the booklet for
Yxy(77.1575, 0.4253, 0.4676)
contains.

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Color

Yxy(77.2412, 0.4252, 0.4677)

Conversions

Conversions Part 1

Format	Color
Hex	FFE44A
RGB	255, 228, 74
RGB Percent	100%, 89%, 29%
CMY	0.0000, 0.1059, 0.7098
CMYK	0.00, 0.11, 0.71, 0.00
HSL	51°, 100%, 65%
HSV	51°, 71%, 100%
XYZ	70.2223, 77.2412, 17.6877
YIQ	218.5170, 65.5260, -42.1700

Conversions

Conversions Part 2

Format	Color
RYB	106, 255, 74
Decimal	16770122
CIELab	90.43, -6.75, 74.38
CIELCh	90, 74.683, 95.186
Yxy	77.2412, 0.4252, 0.4677
Android (android.graphics.Color)	4294960202 (0xFFFFE44A)
YUV	218.5170, -71.2469, 31.9956
Hunter-Lab	87.8870, -11.1795, 49.5885

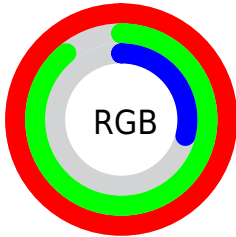
Details

The Yxy color **77.2412, 0.4252, 0.4677** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **17.9854, 0.1820, 0.1282**, and the grayscale version is **70.9567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **41.3565, 0.4398, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **74.8963, 0.4360, 0.4768**, and if you desaturate by 10%, it is **79.7753, 0.4118, 0.4543**.

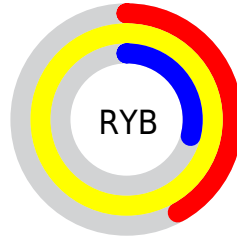
Distribution



Red (100%)

Green (89%)

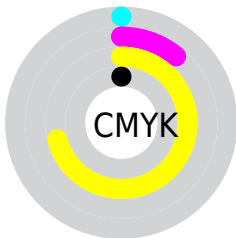
Blue (29%)



Red (42%)

Yellow (100%)

Blue (29%)

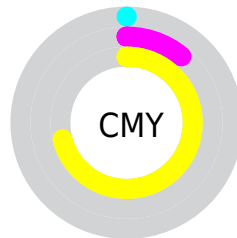


Cyan (0%)

Magenta (11%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2412, 0.4252, 0.4677 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 77.2412, 0.4252, 0.4677 by changing the saturation by 10% instead.


 77.2412, 0.4252,
0.4677

 77.2412, 0.4252,
0.4677


485.5860, 0.3795,
0.4089


 57.4509, 0.4332,
0.4788


 129.4799, 0.4111,
0.4491


 41.3673, 0.4418,
0.4910


 162.6971, 0.4051,
0.4413

 28.6062, 0.4504,
0.5042


 201.1586, 0.3997,
0.4343

 18.7831, 0.4581,
0.5177

 245.2489, 0.3948,
0.4281

 11.5137, 0.4662,
0.5338

 295.3524, 0.3904,
0.4226

 6.4135, 0.4616,
0.5384

351.8535, 0.3864,

 3.0981, 0.4545,

0.4176

0.5455

415.1366, 0.3828,
0.4130

■ 1.1832, 0.4418,
0.5582

■ 0.0479, 0.0000,
1.0000

■ 77.2412, 0.4252,
0.4677

■ 77.2412, 0.4252,
0.4677

■ 74.8963, 0.4360,
0.4768

■ 79.7753, 0.4118,
0.4543

■ 72.7164, 0.4440,
0.4812

■ 82.5079, 0.3965,
0.4372

■ 70.8668, 0.4489,
0.4817

■ 85.4544, 0.3800,
0.4175

■ 88.6268, 0.3629,
0.3961

■ 92.0359, 0.3460,
0.3741

■ 95.6919, 0.3296,
0.3522

99.6042, 0.3142,
0.3310

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.



77.2412, 0.4765, 0.4112



77.2412, 0.4252, 0.4677



77.2412, 0.3483, 0.4924

Triad

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



77.2412, 0.4252, 0.4677



77.2412, 0.1689, 0.2726



77.2412, 0.3434, 0.2390

Complementary

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



77.2412, 0.4252, 0.4677



17.9854, 0.1820, 0.1282

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.



77.2412, 0.2580, 0.2074



77.2412, 0.4252, 0.4677



77.2412, 0.1684, 0.2191

Square

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



77.2412, 0.4252, 0.4677



77.2412, 0.2016, 0.3607



77.2412, 0.1980, 0.1994



77.2412, 0.4305, 0.2886

Rectangle

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



77.2412, 0.4252, 0.4677



77.2412, 0.2928, 0.4738



77.2412, 0.1980, 0.1994



77.2412, 0.3131, 0.2261

Sweetspot

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



77.2432, 0.4252, 0.4677



92.0273, 0.3460, 0.3742



27.1019, 0.5214, 0.3069



19.4910, 0.3507, 0.3803



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.



77.2432, 0.4252, 0.4677



74.0001, 0.4396, 0.4791



83.1760, 0.3637, 0.5158



20.6017, 0.3273, 0.3491



37.2048, 0.4484, 0.4822



3.7424, 0.4445, 0.4852

Inverse Universe

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



17.9854, 0.1820, 0.1282



12.0902, 0.1634, 0.0937



17.4678, 0.2134, 0.1207



17.8149, 0.2979, 0.3081



4.6284, 0.1533, 0.0720



0.5738, 0.1580, 0.0887

Previews

White Background



This preview shows how the Yxy color 77.2412, 0.4252, 0.4677 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 77.2412, 0.4252, 0.4677 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 77.2412, 0.4252, 0.4677

Background



This preview shows how black text looks on a background with the Yxy color 77.2412, 0.4252, 0.4677.



This preview shows how white text looks on a background with the Yxy color 77.2412, 0.4252, 0.4677.

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

77.2412, 0.4252, 0.4677

Protanopia

77.2412, 0.4252, 0.4677

Deuteranopia

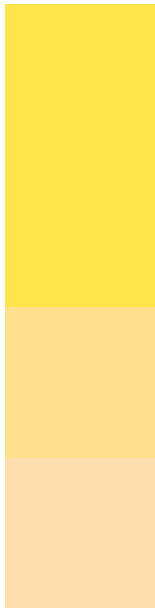
77.3306, 0.3660, 0.3730



Tritanopia

77.0600, 0.3321, 0.3181

Trichromacy



Original Color

77.2412, 0.4252, 0.4677

Protanomaly

77.2412, 0.4252, 0.4677

Deuteranomaly

77.0335, 0.3918, 0.4137

Tritanomaly

76.5197, 0.3712, 0.3792

Monochromacy



Original Color

77.2412, 0.4252, 0.4677

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

72.1515, 0.3584, 0.3901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2412, 0.4252, 0.4677 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, 228, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 74)  
}
```

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, 228, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 74) }
```

Border

The CSS property to change the border of an element to Yxy 77.2412, 0.4252, 0.4677 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, 228, 74) }
```

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

```
.border{ border-color:rgb(255, 228, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 228, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2412, 0.4252, 0.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 74) }
```

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

```
.background{ background-color: rgb(255,  
228, 74) }
```

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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