

Converting Colors

Yxy(77.4569, 0.4386, 0.4899)

Have a look what the booklet for
Yxy(77.4569, 0.4386, 0.4899)
contains.

Yxy(77.2986, 0.4388, 0.4898)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2986, 0.4388, 0.4898)

Conversions

Conversions Part 1

Format	Color
Hex	FFE500
RGB	255, 229, 0
RGB Percent	100%, 90%, 0%
CMY	0.0001, 0.1019, 1.0000
CMYK	0.00, 0.10, 1.00, 0.00
HSL	54°, 100%, 50%
HSV	54°, 100%, 100%
XYZ	69.2500, 77.2986, 11.2681
YIQ	210.6680, 89.0050, -65.7070

Conversions

Conversions Part 2

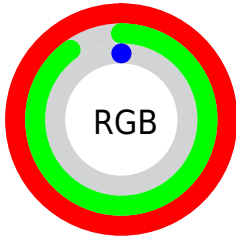
Format	Color
R _Y B	29, 255, 0
Decimal	16770304
CIE Lab	90.46, -8.96, 89.65
CIE LCh	90, 90.098, 95.707
Yxy	77.2986, 0.4388, 0.4898
Android (android.graphics.Color)	4294960384 (0xFFFFE500)
YUV	210.6680, -103.8593, 38.8792
Hunter-Lab	87.9196, -13.2637, 53.9449

Details

The Yxy color **77.2986, 0.4388, 0.4898** 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 **7.9543, 0.1515, 0.0655**, and the grayscale version is **65.5657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **41.6096, 0.4378, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **77.3024, 0.4388, 0.4898**, and if you desaturate by 10%, it is **78.8216, 0.4346, 0.4882**.

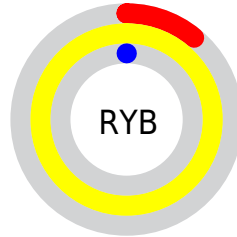
Distribution



Red (100%)

Green (90%)

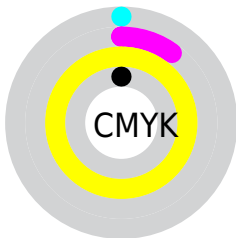
Blue (0%)



Red (11%)

Yellow (100%)

Blue (0%)

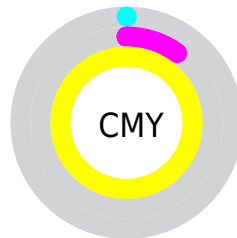


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2986, 0.4388, 0.4898 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 77.2986, 0.4388, 0.4898 by changing the saturation by 10% instead.


 77.2986, 0.4388,
0.4898


 77.2986, 0.4388,
0.4898


485.7815, 0.3912,
0.4249

 57.4980, 0.4458,
0.5008


 129.5609, 0.4253,
0.4702

 41.4052, 0.4525,
0.5122

 162.7914, 0.4191,
0.4617


 28.6358, 0.4580,
0.5234


 201.2672, 0.4134,
0.4540

 18.8055, 0.4635,
0.5365

 245.3729, 0.4081,
0.4470

 11.5298, 0.4593,
0.5407

 295.4928, 0.4033,
0.4407

 6.4244, 0.4531,
0.5469

 352.0112, 0.3989,

 3.1048, 0.4435,

0.4349

0.5565

415.3127, 0.3949,
0.4297

■ 1.1867, 0.4265,
0.5735

■ 0.0508, 0.0000,
1.0000

■ 77.2986, 0.4388,
0.4898

■ 77.2986, 0.4388,
0.4898


■ 77.3024, 0.4388,
0.4898


■ 78.8216, 0.4346,
0.4882


■ 80.4566, 0.4278,
0.4827


■ 82.2364, 0.4183,
0.4727


■ 84.1786, 0.4062,
0.4583

 86.2981, 0.3921,
0.4403

 88.6080, 0.3765,
0.4196

 91.1198, 0.3603,
0.3973

 93.8443, 0.3439,
0.3742

 96.7912, 0.3279,
0.3513

Harmonies

Analogous

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



77.2986, 0.5034, 0.4195



77.2986, 0.4388, 0.4898



77.2986, 0.3479, 0.5273

Triad

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



77.2986, 0.4388, 0.4898



77.2986, 0.1454, 0.2575



77.2986, 0.3501, 0.2248

Complementary

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



77.2986, 0.4388, 0.4898



7.9543, 0.1515, 0.0655

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.



77.2986, 0.2486, 0.1889



77.2986, 0.4388, 0.4898



77.2986, 0.1465, 0.1984

Square

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



77.2986, 0.4388, 0.4898



77.2986, 0.1800, 0.3635



77.2986, 0.1799, 0.1786



77.2986, 0.4560, 0.2809

Rectangle

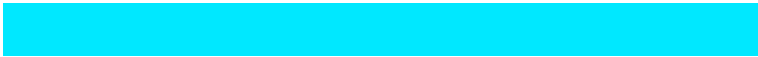
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2986, 0.4388, 0.4898



77.2986, 0.2835, 0.5073



77.2986, 0.1799, 0.1786



77.2986, 0.3137, 0.2102

Sweetspot

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



77.3024, 0.4388, 0.4898



91.1474, 0.3603, 0.3973



21.3460, 0.6286, 0.3237



19.2771, 0.3672, 0.4069



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.



77.3024, 0.4388, 0.4898



77.3257, 0.4388, 0.4898



78.6895, 0.3526, 0.5583



20.7561, 0.3272, 0.3501



40.5327, 0.4384, 0.4901



4.0339, 0.4360, 0.4920

Inverse Universe

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



7.9543, 0.1515, 0.0655



7.9566, 0.1515, 0.0655



9.7999, 0.1800, 0.0765



17.6750, 0.2979, 0.3069



4.2542, 0.1519, 0.0668



0.5082, 0.1556, 0.0799

Previews

White Background



This preview shows how the Yxy color 77.2986, 0.4388, 0.4898 looks on a white background.

Color Contrast Check

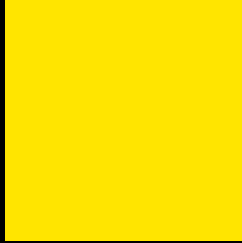
Large Text (above 18pt) WCAG AA × Fail

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 77.2986, 0.4388, 0.4898 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 77.2986, 0.4388, 0.4898

Background



This preview shows how black text looks on a background with the Yxy color 77.2986, 0.4388, 0.4898.



This preview shows how white text looks on a background with the Yxy color 77.2986, 0.4388, 0.4898.

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

77.2986, 0.4388, 0.4898

Protanopia

77.1765, 0.4270, 0.4704

Deuteranopia

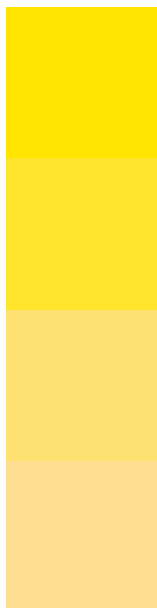
77.2497, 0.3674, 0.3751



Tritanopia

77.0600, 0.3321, 0.3181

Trichromacy



Original Color

77.2986, 0.4388, 0.4898

Protanomaly

76.9287, 0.4342, 0.4810

Deuteranomaly

76.3027, 0.4088, 0.4384

Tritanomaly

75.5779, 0.3899, 0.4061

Monochromacy



Original Color

77.2986, 0.4388, 0.4898

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

68.1949, 0.3775, 0.4216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2986, 0.4388, 0.4898 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, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 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, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 0) }
```

Border

The CSS property to change the border of an element to Yxy 77.2986, 0.4388, 0.4898 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, 229, 0) }
```

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

```
.border{ border-color:rgb(255, 229, 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, 229, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
0) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.2986, 0.4388, 0.4898$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 0) }
```

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

```
.background{ background-color: rgb(255,  
229, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor