

Converting Colors

$Yxy(78.2534, 0.4089, 0.5135)$

Have a look what the booklet for
Yxy(78.2534, 0.4089, 0.5135)
contains.

Yxy(78.4889, 0.4090, 0.5134)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.4889, 0.4090, 0.5134)

Conversions

Conversions Part 1

Format	Color
Hex	E2F000
RGB	226, 240, 0
RGB Percent	89%, 94%, 0%
CMY	0.1137, 0.0588, 0.9986
CMYK	0.06, 0.00, 1.00, 0.06
HSL	64°, 100%, 47%
HSV	64°, 100%, 94%
XYZ	62.5282, 78.4889, 11.8635
YIQ	208.4540, 68.6960, -77.6080

Conversions

Conversions Part 2

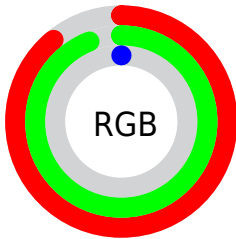
Format	Color
RYB	0, 240, 14
Decimal	14872576
CIELab	91.00, -26.36, 88.96
CIELCh	91, 92.785, 106.504
Yxy	78.4889, 0.4090, 0.5134
Android (android.graphics.Color)	4293062656 (0xFFE2F000)
YUV	208.4540, -102.7678, 15.3878
Hunter-Lab	88.5940, -29.0571, 54.0763

Details

The Yxy color **78.4889, 0.4090, 0.5134** 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 **6.3953, 0.1514, 0.0608**, and the grayscale version is **64.0645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **42.3880, 0.4023, 0.5188** is the 20% darker color. If you saturate the color by 10%, you get **78.4884, 0.4090, 0.5135**, and if you desaturate by 10%, it is **78.7867, 0.4082, 0.5093**.

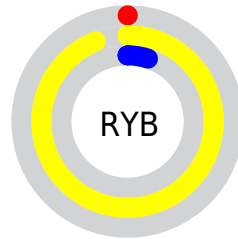
Distribution



Red (89%)

Green (94%)

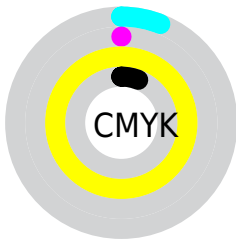
Blue (0%)



Red (0%)

Yellow (94%)

Blue (5%)

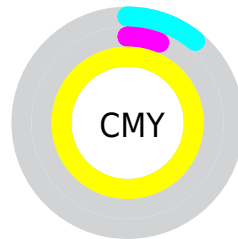


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (11%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4889, 0.4090, 0.5134 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 78.4889, 0.4090, 0.5134 by changing the saturation by 10% instead.


 78.4889, 0.4090,
0.5134


 78.4889, 0.4090,
0.5134


489.8256, 0.3755,
0.4343


 58.4757, 0.4129,
0.5281

 131.2391, 0.4003,
0.4884

 42.1912, 0.4158,
0.5443


 164.7449, 0.3961,
0.4779

 29.2510, 0.4164,
0.5616


 203.5169, 0.3920,
0.4685

 19.2708, 0.4163,
0.5837

 247.9397, 0.3882,
0.4602

 11.8661, 0.4034,
0.5966

 298.3975, 0.3847,
0.4527

 6.6526, 0.3849,
0.6151


 355.2749, 0.3814,


 3.2458, 0.3560,


0.4459


0.6440


418.9561, 0.3784,
0.4398

 1.2614, 0.2896,
0.7104


 0.1110, 0.0000,
1.0000


 78.4889, 0.4090,
0.5134


 78.4889, 0.4090,
0.5134

 78.4884, 0.4090,
0.5135

 78.7867, 0.4082,
0.5093

 79.1649, 0.4051,
0.5015

 79.6523, 0.3994,
0.4892

 80.2639, 0.3912,
0.4726

■ 81.0125, 0.3806,
0.4523

■ 81.9091, 0.3683,
0.4292

■ 82.9637, 0.3548,
0.4044

■ 84.1855, 0.3407,
0.3788

■ 85.5827, 0.3264,
0.3533

Harmonies

Analogous

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



78.4889, 0.4878, 0.4472



78.4889, 0.4090, 0.5134



78.4889, 0.3122, 0.5273

Triad

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



78.4889, 0.4090, 0.5134



78.4889, 0.1389, 0.2285



78.4889, 0.3921, 0.2413

Complementary

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



78.4889, 0.4090, 0.5134



6.3953, 0.1514, 0.0608

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.



78.4889, 0.2812, 0.1966



78.4889, 0.4090, 0.5134



78.4889, 0.1519, 0.1846

Square

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



78.4889, 0.4090, 0.5134



78.4889, 0.1599, 0.3200



78.4889, 0.1981, 0.1764



78.4889, 0.4890, 0.3031

Rectangle

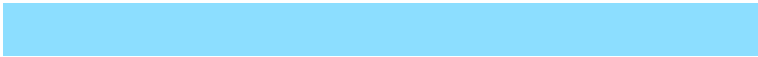
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4889, 0.4090, 0.5134



78.4889, 0.2488, 0.4827



78.4889, 0.1981, 0.1764



78.4889, 0.3539, 0.2240

Sweetspot

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



78.4925, 0.4090, 0.5134



95.1772, 0.3552, 0.4050



18.7976, 0.6372, 0.3321



20.2578, 0.3610, 0.4157



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.



78.4925, 0.4090, 0.5134



90.0649, 0.4090, 0.5135



65.5226, 0.3290, 0.5769



18.4093, 0.3259, 0.3524



42.9857, 0.4092, 0.5133



3.5902, 0.4106, 0.5122

Inverse Universe

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



6.3953, 0.1514, 0.0608



7.3206, 0.1513, 0.0607



11.2177, 0.2110, 0.0937



15.2728, 0.2988, 0.3046



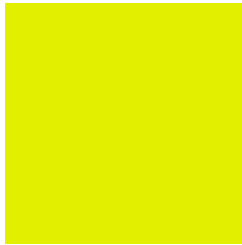
3.5132, 0.1518, 0.0610



0.3076, 0.1565, 0.0636

Previews

White Background



This preview shows how the Yxy color 78.4889, 0.4090, 0.5134 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 78.4889, 0.4090, 0.5134 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 78.4889, 0.4090, 0.5134

Background



This preview shows how black text looks on a background with the Yxy color 78.4889, 0.4090, 0.5134.



This preview shows how white text looks on a background with the Yxy color 78.4889, 0.4090, 0.5134.

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

78.4889, 0.4090, 0.5134

Protanopia

77.9867, 0.4193, 0.4607

Deuteranopia

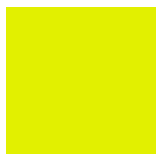
77.9487, 0.3643, 0.3720



Tritanopia

78.1809, 0.3150, 0.3108

Trichromacy



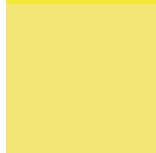
Original Color

78.4889, 0.4090, 0.5134



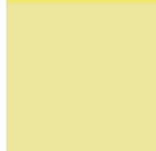
Protanomaly

77.7868, 0.4196, 0.4861



Deuteranomaly

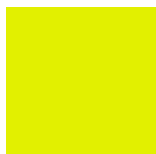
77.0877, 0.3960, 0.4440



Tritanomaly

76.3431, 0.3687, 0.4098

Monochromacy



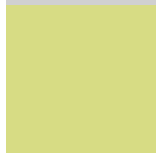
Original Color

78.4889, 0.4090, 0.5134



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.2994, 0.3684, 0.4291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4889, 0.4090, 0.5134 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(226, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 240, 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(226, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 78.4889, 0.4090, 0.5134 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(226, 240, 0) }
```

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

```
.border{ border-color:rgb(226, 240, 0) }
```

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

Here you see how a box with a 4 pixel rgb(226, 240, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 240,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4889, 0.4090, 0.5134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 240, 0) }
```

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

```
.background{ background-color: rgb(226,  
240, 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