

Converting Colors

Yxy(69.8872, 0.4357, 0.4922)

Have a look what the booklet for
Yxy(69.8872, 0.4357, 0.4922)
contains.

Yxy(69.8872, 0.4357, 0.4922)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.8872, 0.4357, 0.4922)

Conversions

Conversions Part 1

Format	Color
Hex	F1DC00
RGB	241, 220, 0
RGB Percent	95%, 86%, 0%
CMY	0.0550, 0.1372, 0.9987
CMYK	0.00, 0.09, 1.00, 0.05
HSL	55°, 100%, 47%
HSV	55°, 100%, 95%
XYZ	61.8648, 69.8872, 10.2374
YIQ	201.1990, 83.1360, -63.9680

Conversions

Conversions Part 2

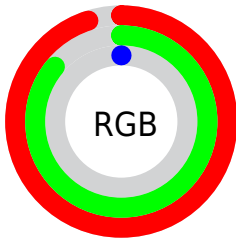
Format	Color
RYB	23, 241, 0
Decimal	15850496
CIELab	86.94, -10.40, 86.54
CIELCh	87, 87.164, 96.851
Yxy	69.8872, 0.4357, 0.4922
Android (android.graphics.Color)	4294040576 (0xFFFF1DC00)
YUV	201.1990, -99.1911, 34.9055
Hunter-Lab	83.5986, -14.2035, 51.2584

Details

The Yxy color **69.8872, 0.4357, 0.4922** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light saturated yellow. A complement of this color would be **6.8987, 0.1513, 0.0646**, and the grayscale version is **59.1515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **36.6136, 0.4347, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **69.8750, 0.4357, 0.4922**, and if you desaturate by 10%, it is **71.0666, 0.4318, 0.4902**.

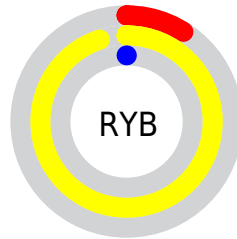
Distribution



Red (95%)

Green (86%)

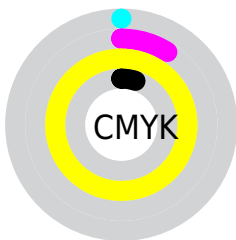
Blue (0%)



Red (9%)

Yellow (95%)

Blue (0%)

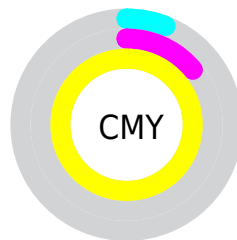


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (5%)



Cyan (6%)


Magenta (14%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8872, 0.4357, 0.4922 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 69.8872, 0.4357, 0.4922 by changing the saturation by 10% instead.


 69.8872, 0.4357,
0.4922

 69.8872, 0.4357,
0.4922


460.1538, 0.3884,
0.4244


 51.4346, 0.4427,
0.5040


 119.0479, 0.4222,
0.4714


 36.5546, 0.4491,
0.5163

 150.5247, 0.4161,
0.4625


 24.8628, 0.4542,
0.5285


 187.1118, 0.4104,
0.4544

 15.9749, 0.4581,
0.5419

 229.1934, 0.4052,
0.4472

 9.5064, 0.4525,
0.5475

 277.1541, 0.4005,
0.4406

 5.0729, 0.4442,
0.5558

 331.3781, 0.3961,

 2.2901, 0.4307,

0.4347

0.5693

392.2499, 0.3921,
0.4293

■ 0.7685, 0.3828,
0.6172

■ 0.0000, 0.0000,
0.0000

■ 69.8872, 0.4357,
0.4922

■ 69.8872, 0.4357,
0.4922

■ 69.8750, 0.4357,
0.4922

■ 71.0666, 0.4318,
0.4902

■ 72.3395, 0.4254,
0.4844

■ 73.7347, 0.4162,
0.4741

■ 75.2673, 0.4045,
0.4595

■ 76.9504, 0.3908,
0.4413

■ 78.7951, 0.3756,
0.4204

■ 80.8115, 0.3596,
0.3978

■ 83.0089, 0.3435,
0.3745

■ 85.3959, 0.3276,
0.3512

Harmonies

Analogous

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



69.8872, 0.5018, 0.4223



69.8872, 0.4357, 0.4922



69.8872, 0.3442, 0.5274

Triad

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



69.8872, 0.4357, 0.4922



69.8872, 0.1447, 0.2544



69.8872, 0.3544, 0.2266

Complementary

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



69.8872, 0.4357, 0.4922



6.8987, 0.1513, 0.0646

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.



69.8872, 0.2519, 0.1897



69.8872, 0.4357, 0.4922



69.8872, 0.1471, 0.1970

Square

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



69.8872, 0.4357, 0.4922



69.8872, 0.1779, 0.3588



69.8872, 0.1818, 0.1785



69.8872, 0.4594, 0.2832

Rectangle

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



69.8872, 0.4357, 0.4922



69.8872, 0.2799, 0.5049



69.8872, 0.1818, 0.1785



69.8872, 0.3177, 0.2117

Sweetspot

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



69.8905, 0.4357, 0.4922



91.8357, 0.3600, 0.3983



18.7715, 0.6305, 0.3248



19.4442, 0.3668, 0.4080



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.



69.8905, 0.4357, 0.4922



79.4159, 0.4358, 0.4922



68.8923, 0.3502, 0.5601



18.2097, 0.3270, 0.3503



38.0006, 0.4354, 0.4925



3.2299, 0.4331, 0.4943

Inverse Universe

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



6.8987, 0.1513, 0.0646



7.8021, 0.1512, 0.0643



8.8753, 0.1830, 0.0782



15.4500, 0.2979, 0.3067



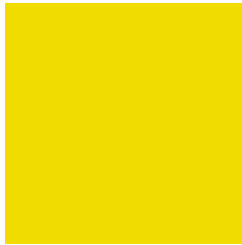
3.8144, 0.1516, 0.0658



0.3926, 0.1554, 0.0793

Previews

White Background



This preview shows how the Yxy color 69.8872, 0.4357, 0.4922 looks on a white background.

Color Contrast Check

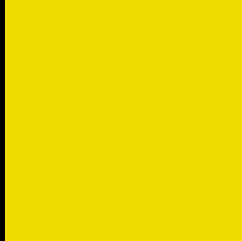
Large Text (above 18pt) WCAG AA × Fail

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 69.8872, 0.4357, 0.4922 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 69.8872, 0.4357, 0.4922

Background



This preview shows how black text looks on a background with the Yxy color 69.8872, 0.4357, 0.4922.

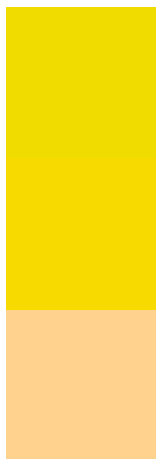


This preview shows how white text looks on a background with the Yxy color 69.8872, 0.4357, 0.4922.

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

69.8872, 0.4357, 0.4922

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

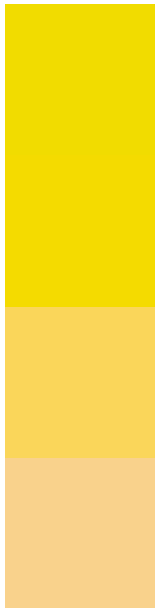
69.8015, 0.3975, 0.3997



Tritanopia

69.4239, 0.3397, 0.3128

Trichromacy



Original Color

69.8872, 0.4357, 0.4922

Protanomaly

69.8961, 0.4389, 0.4897

Deuteranomaly

69.1553, 0.4240, 0.4489

Tritanomaly

68.1264, 0.3946, 0.4021

Monochromacy



Original Color

69.8872, 0.4357, 0.4922

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

61.2692, 0.3767, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8872, 0.4357, 0.4922 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(241, 220, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 220, 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(241, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 220, 0) }
```

Border

The CSS property to change the border of an element to Yxy 69.8872, 0.4357, 0.4922 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(241, 220, 0) }
```

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

```
.border{ border-color:rgb(241, 220, 0) }
```

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

Here you see how a box with a 4 pixel rgb(241, 220, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 220,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8872, 0.4357, 0.4922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 220, 0) }
```

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

```
.background{ background-color: rgb(241,  
220, 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