

Converting Colors

Yxy(76.3033, 0.4413, 0.4872)

Have a look what the booklet for
Yxy(76.3033, 0.4413, 0.4872)
contains.

Yxy(76.2069, 0.4402, 0.4881)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.2069, 0.4402, 0.4881)

Conversions

Conversions Part 1

Format	Color
Hex	FFE304
RGB	255, 227, 4
RGB Percent	100%, 89%, 2%
CMY	0.0000, 0.1098, 0.9852
CMYK	0.00, 0.11, 0.99, 0.00
HSL	53°, 100%, 51%
HSV	53°, 99%, 100%
XYZ	68.7283, 76.2069, 11.1945
YIQ	209.9500, 88.2710, -63.4170

Conversions

Conversions Part 2

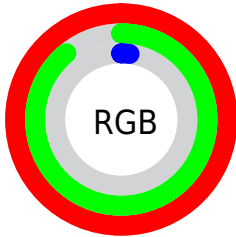
Format	Color
R _Y B	36, 255, 4
Decimal	16769796
CIE Lab	89.96, -7.92, 88.99
CIE LCh	90, 89.340, 95.087
Yxy	76.2069, 0.4402, 0.4881
Android (android.graphics.Color)	4294959876 (0xFFFFE304)
YUV	209.9500, -101.5333, 39.5089
Hunter-Lab	87.2966, -12.2365, 53.5045

Details

The Yxy color **76.2069, 0.4402, 0.4881** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.2639, 0.1524, 0.0677**, and the grayscale version is **65.0356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **40.8425, 0.4399, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **75.9726, 0.4408, 0.4882**, and if you desaturate by 10%, it is **77.8591, 0.4354, 0.4863**.

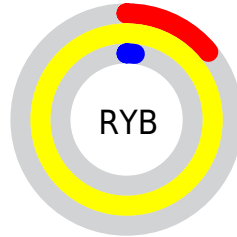
Distribution



Red (100%)

Green (89%)

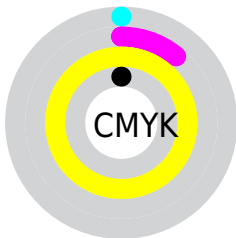
Blue (2%)



Red (14%)

Yellow (100%)

Blue (2%)

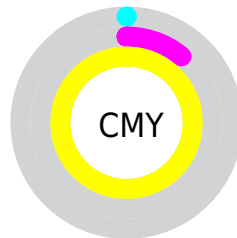


Cyan (0%)

Magenta (11%)

Yellow (99%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2069, 0.4402, 0.4881 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 76.2069, 0.4402, 0.4881 by changing the saturation by 10% instead.


 76.2069, 0.4402,
0.4881


 76.2069, 0.4402,
0.4881


482.0557, 0.3917,
0.4239


 56.6022, 0.4475,
0.4989


 128.0193, 0.4263,
0.4687


 40.6859, 0.4544,
0.5101


 160.9958, 0.4200,
0.4603

 28.0738, 0.4602,
0.5211


 199.1984, 0.4142,
0.4527

 18.3813, 0.4662,
0.5338

 243.0114, 0.4089,
0.4458

 11.2241, 0.4623,
0.5377

 292.8192, 0.4040,
0.4395

 6.2178, 0.4568,
0.5432


 349.0063, 0.3995,

 2.9779, 0.4481,


0.4338


0.5519


411.9569, 0.3954,
0.4286


 1.1202, 0.4326,
0.5674


 0.0000, 0.0000,
0.0000


 76.2069, 0.4402,
0.4881


 76.2069, 0.4402,
0.4881

 75.9726, 0.4408,
0.4882

 77.8591, 0.4354,
0.4863

 79.6352, 0.4280,
0.4802

 81.5631, 0.4178,
0.4696

 83.6601, 0.4050,
0.4548

■ 85.9408, 0.3904,
0.4364

■ 88.4180, 0.3745,
0.4156

■ 91.1031, 0.3580,
0.3933

■ 94.0068, 0.3416,
0.3704

■ 97.1387, 0.3257,
0.3477

Harmonies

Analogous

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



76.2069, 0.5037, 0.4179



76.2069, 0.4402, 0.4881



76.2069, 0.3498, 0.5264

Triad

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



76.2069, 0.4402, 0.4881



76.2069, 0.1462, 0.2596



76.2069, 0.3477, 0.2241

Complementary

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



76.2069, 0.4402, 0.4881



8.2639, 0.1524, 0.0677

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.



76.2069, 0.2470, 0.1888



76.2069, 0.4402, 0.4881



76.2069, 0.1466, 0.1996

Square

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



76.2069, 0.4402, 0.4881



76.2069, 0.1815, 0.3659



76.2069, 0.1793, 0.1792



76.2069, 0.4536, 0.2798

Rectangle

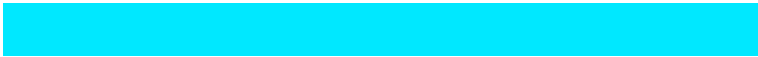
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2069, 0.4402, 0.4881



76.2069, 0.2857, 0.5078



76.2069, 0.1793, 0.1792



76.2069, 0.3115, 0.2097

Sweetspot

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



76.2106, 0.4402, 0.4881



90.6976, 0.3605, 0.3966



21.4509, 0.6258, 0.3231



19.1680, 0.3674, 0.4061



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.



76.2106, 0.4402, 0.4881



75.9771, 0.4408, 0.4882



78.8636, 0.3533, 0.5570



20.7247, 0.3272, 0.3499



39.8382, 0.4404, 0.4885



3.9733, 0.4377, 0.4907

Inverse Universe

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



8.2639, 0.1524, 0.0677



8.0698, 0.1518, 0.0663



10.0151, 0.1815, 0.0778



17.7034, 0.2979, 0.3072



4.3202, 0.1522, 0.0677



0.5215, 0.1561, 0.0818

Previews

White Background



This preview shows how the Yxy color 76.2069, 0.4402, 0.4881 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 76.2069, 0.4402, 0.4881 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 76.2069, 0.4402, 0.4881

Background



This preview shows how black text looks on a background with the Yxy color 76.2069, 0.4402, 0.4881.



This preview shows how white text looks on a background with the Yxy color 76.2069, 0.4402, 0.4881.

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

76.2069, 0.4402, 0.4881

Protanopia

76.2971, 0.4374, 0.4840

Deuteranopia

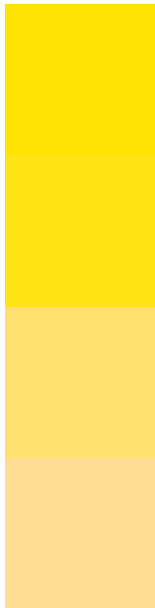
76.0289, 0.3708, 0.3772



Tritanopia

75.9178, 0.3337, 0.3180

Trichromacy



Original Color

76.2069, 0.4402, 0.4881

Protanomaly

76.2523, 0.4388, 0.4860

Deuteranomaly

75.2052, 0.4105, 0.4375

Tritanomaly

74.5217, 0.3907, 0.4043

Monochromacy



Original Color

76.2069, 0.4402, 0.4881

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

67.0298, 0.3768, 0.4189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2069, 0.4402, 0.4881 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, 227, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 4)  
}
```

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, 227, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 4) }
```

Border

The CSS property to change the border of an element to Yxy 76.2069, 0.4402, 0.4881 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, 227, 4) }
```

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

```
.border{ border-color:rgb(255, 227, 4) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 4);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2069, 0.4402, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 4) }
```

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

```
.background{ background-color: rgb(255,  
227, 4) }
```

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