

Converting Colors

$Y_{xy}(72.9022, 0.4456, 0.4844)$

Have a look what the booklet for
Yxy(72.9022, 0.4456, 0.4844)
contains.

Yxy(72.9729, 0.4455, 0.4845)	3
Conversions	4
Details	6
Harmonies	12
Previews	22
Color Blindness Simulation	25
CSS Examples	28

Color

Yxy(72.9729, 0.4455, 0.4845)

Conversions

Conversions Part 1

Format	Color
Hex	FFDD00
RGB	255, 221, 0
RGB Percent	100%, 87%, 0%
CMY	0.0000, 0.1333, 1.0000
CMYK	0.00, 0.13, 1.00, 0.00
HSL	52°, 100%, 50%
HSV	52°, 100%, 100%
XYZ	67.0989, 72.9729, 10.5430
YIQ	205.9720, 91.2050, -61.5230

Conversions

Conversions Part 2

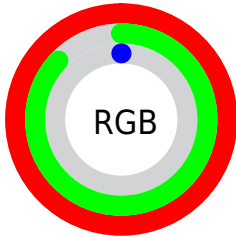
Format	Color
R _Y B	39, 255, 0
Decimal	16768256
CIE Lab	88.43, -4.94, 88.22
CIE LCh	88, 88.358, 93.207
Yxy	72.9729, 0.4455, 0.4845
Android (android.graphics.Color)	4294958336 (0xFFFFDD00)
YUV	205.9720, -101.5442, 42.9976
Hunter-Lab	85.4242, -9.2843, 52.4794

Details

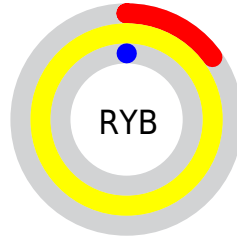
The Yxy color **72.9729, 0.4455, 0.4845** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.3639, 0.1524, 0.0684**, and the grayscale version is **62.3229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **38.6099, 0.4464, 0.4838** is the 20% darker color. If you saturate the color by 10%, you get **72.9747, 0.4455, 0.4845**, and if you desaturate by 10%, it is **74.8605, 0.4403, 0.4834**.

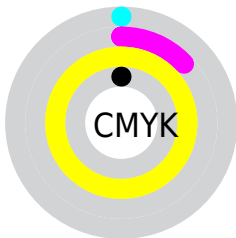
Distribution



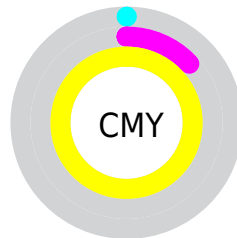
- Red (100%)
- Green (87%)
- Blue (0%)



- Red (15%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9729, 0.4455, 0.4845 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 72.9729, 0.4455, 0.4845 by changing the saturation by 10% instead.

 72.9729, 0.4455,
0.4845

 72.9729, 0.4455,
0.4845


470.9209, 0.3941,
0.4221

 53.9538, 0.4534,
0.4948


 123.4387, 0.4306,
0.4658

 38.5647, 0.4610,
0.5053


 155.6543, 0.4239,
0.4576


 26.4213, 0.4675,
0.5154


 193.0374, 0.4178,
0.4502

 17.1391, 0.4739,
0.5261

 235.9725, 0.4122,
0.4435

 10.3337, 0.4714,
0.5286

 284.8440, 0.4070,
0.4373

 5.6208, 0.4677,
0.5323

 340.0363, 0.4023,

 2.6159, 0.4620,

0.4318

0.5380

401.9338, 0.3980,
0.4267

■ 0.9347, 0.4507,
0.5493

■ 0.0000, 0.0000,
0.0000

■ 72.9729, 0.4455,
0.4845

■ 72.9729, 0.4455,
0.4845


■ 72.9747, 0.4455,
0.4845


■ 74.8605, 0.4403,
0.4834


■ 76.8773, 0.4326,
0.4784


■ 79.0539, 0.4221,
0.4687


■ 81.4083, 0.4090,
0.4546

 83.9554, 0.3940,
0.4370

 86.7084, 0.3777,
0.4169

 89.6789, 0.3609,
0.3951

 92.8779, 0.3442,
0.3727

 96.3152, 0.3280,
0.3505

Harmonies

Analogous

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



72.9729, 0.5067, 0.4134



72.9729, 0.4455, 0.4845



72.9729, 0.3559, 0.5267

Triad

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



72.9729, 0.4455, 0.4845



72.9729, 0.1468, 0.2646



72.9729, 0.3409, 0.2210

Complementary

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



72.9729, 0.4455, 0.4845



8.3639, 0.1524, 0.0684

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.



72.9729, 0.2415, 0.1870



72.9729, 0.4455, 0.4845



72.9729, 0.1452, 0.2017

Square

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



72.9729, 0.4455, 0.4845



72.9729, 0.1847, 0.3738



72.9729, 0.1759, 0.1791



72.9729, 0.4482, 0.2757

Rectangle

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



72.9729, 0.4455, 0.4845



72.9729, 0.2915, 0.5122



72.9729, 0.1759, 0.1791



72.9729, 0.3048, 0.2070

Sweetspot

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



72.9747, 0.4455, 0.4845



89.6789, 0.3609, 0.3951



21.3755, 0.6259, 0.3221



18.9211, 0.3680, 0.4044



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.



72.9747, 0.4455, 0.4845



79.1491, 0.3552, 0.5561



20.6532, 0.3272, 0.3494



38.2913, 0.4450, 0.4849



3.8379, 0.4416, 0.4876

Inverse Universe

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



8.3639, 0.1524, 0.0684



9.5733, 0.1774, 0.0751



17.7680, 0.2979, 0.3077



4.4893, 0.1528, 0.0701



0.5518, 0.1572, 0.0858

Previews

White Background



This preview shows how the Yxy color 72.9729, 0.4455, 0.4845 looks on a white background.

Color Contrast Check

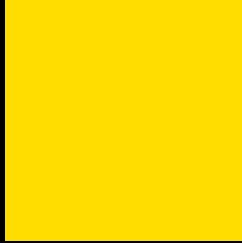
Large Text (above 18pt) WCAG AA × Fail

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 72.9729, 0.4455, 0.4845 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 72.9729, 0.4455, 0.4845

Background



This preview shows how black text looks on a background with the Yxy color 72.9729, 0.4455, 0.4845.



This preview shows how white text looks on a background with the Yxy color 72.9729, 0.4455, 0.4845.

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

72.9729, 0.4455, 0.4845

Protanopia

73.2977, 0.4404, 0.4876

Deuteranopia

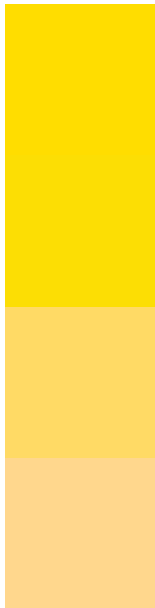
72.8404, 0.3840, 0.3886



Tritanopia

73.1225, 0.3380, 0.3180

Trichromacy



Original Color

72.9729, 0.4455, 0.4845

Protanomaly

72.9468, 0.4421, 0.4865

Deuteranomaly

72.3424, 0.4195, 0.4420

Tritanomaly

71.7840, 0.3964, 0.4045

Monochromacy



Original Color

72.9729, 0.4455, 0.4845

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

64.0745, 0.3800, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9729, 0.4455, 0.4845 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, 221, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 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, 221, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 0) }
```

Border

The CSS property to change the border of an element to Yxy 72.9729, 0.4455, 0.4845 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, 221, 0) }
```

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

```
.border{ border-color:rgb(255, 221, 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, 221, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 72.9729, 0.4455, 0.4845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 0) }
```

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

```
.background{ background-color: rgb(255,  
221, 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