

# Converting Colors

Yxy(71.8914, 0.4472, 0.4831)

Have a look what the booklet for  
Yxy(71.8914, 0.4472, 0.4831)  
contains.

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# Color

**Yxy(71.9230, 0.4472, 0.4831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDB00
RGB	255, 219, 0
RGB Percent	100%, 86%, 0%
CMY	0.0000, 0.1412, 0.9994
CMYK	0.00, 0.14, 1.00, 0.00
HSL	52°, 100%, 50%
HSV	52°, 100%, 100%
XYZ	66.5783, 71.9230, 10.3768
YIQ	204.7980, 91.7550, -60.4770

# Conversions

## Conversions Part 2

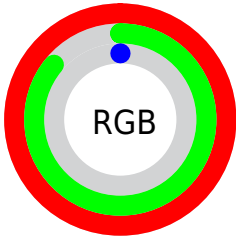
Format	Color
R <sub>Y</sub> B	42, 255, 0
Decimal	16767744
CIE Lab	87.93, -3.93, 87.84
CIE LCh	88, 87.925, 92.560
Yxy	71.9230, 0.4472, 0.4831
Android (android.graphics.Color)	4294957824 (0xFFFFDB00)
YUV	204.7980, -100.9654, 44.0272
Hunter-Lab	84.8074, -8.2811, 52.1106

# Details

The Yxy color **71.9230, 0.4472, 0.4831** is a light color, and the websafe version is hex **FFCC00**, and the color name is **sizzling sunrise**. The color can be described as light saturated yellow. A complement of this color would be **8.4916, 0.1526, 0.0694**, and the grayscale version is **61.5355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **38.2477, 0.4475, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **71.9113, 0.4472, 0.4831**, and if you desaturate by 10%, it is **73.8950, 0.4418, 0.4822**.

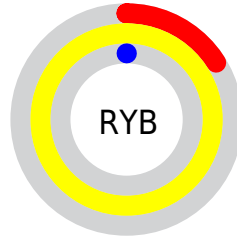
# Distribution



Red (100%)

Green (86%)

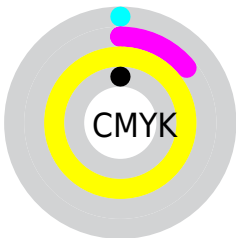
Blue (0%)



Red (16%)

Yellow (100%)

Blue (0%)

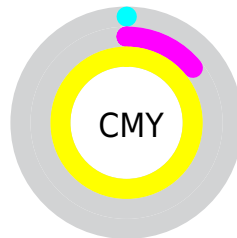


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9230, 0.4472, 0.4831 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 71.9230, 0.4472, 0.4831 by changing the saturation by 10% instead.




 71.9230, 0.4472,  
0.4831

 71.9230, 0.4472,  
0.4831


467.2735, 0.3948,  
0.4213

 53.0958, 0.4553,  
0.4932

 121.9470, 0.4320,  
0.4647

 37.8792, 0.4632,  
0.5035


 153.9127, 0.4252,  
0.4566

 25.8890, 0.4700,  
0.5133


 191.0265, 0.4189,  
0.4492

 16.7406, 0.4766,  
0.5234

 233.6731, 0.4132,  
0.4425

 10.0497, 0.4745,  
0.5255

 282.2366, 0.4080,  
0.4365

 5.4319, 0.4716,  
0.5284

 337.1016, 0.4032,

 2.5029, 0.4669,

0.4309

0.5331

398.6525, 0.3988,  
0.4259

■ 0.8781, 0.4569,  
0.5431

■ 0.0000, 0.0000,  
0.0000

■ 71.9230, 0.4472,  
0.4831

■ 71.9230, 0.4472,  
0.4831

■ 71.9113, 0.4472,  
0.4831

■ 73.8950, 0.4418,  
0.4822

■ 76.0032, 0.4338,  
0.4772

■ 78.2758, 0.4230,  
0.4675

■ 80.7307, 0.4096,  
0.4536

■ 83.3829, 0.3943,  
0.4361

■ 86.2455, 0.3779,  
0.4160

■ 89.3304, 0.3610,  
0.3944

■ 92.6483, 0.3442,  
0.3722

■ 96.2092, 0.3280,  
0.3502

# Harmonies

## Analogous

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



71.9230, 0.5075, 0.4118



71.9230, 0.4472, 0.4831



71.9230, 0.3580, 0.5264

# Triad

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



71.9230, 0.4472, 0.4831



71.9230, 0.1473, 0.2665



71.9230, 0.3385, 0.2200

# Complementary

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



71.9230, 0.4472, 0.4831



8.4916, 0.1526, 0.0694

# 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.



71.9230, 0.2397, 0.1866



71.9230, 0.4472, 0.4831



71.9230, 0.1449, 0.2026

# Square

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



71.9230, 0.4472, 0.4831



71.9230, 0.1859, 0.3765



71.9230, 0.1749, 0.1792



71.9230, 0.4462, 0.2743



# Rectangle

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



71.9230, 0.4472, 0.4831



71.9230, 0.2935, 0.5134



71.9230, 0.1749, 0.1792



71.9230, 0.3026, 0.2062

# Sweetspot

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



71.9223, 0.4472, 0.4831



89.3122, 0.3611, 0.3946



21.4055, 0.6226, 0.3204



18.8323, 0.3682, 0.4038



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.



71.9223, 0.4472, 0.4831



71.9113, 0.4472, 0.4831



79.6058, 0.3580, 0.5539



20.6274, 0.3273, 0.3492



37.7433, 0.4467, 0.4835



3.7898, 0.4431, 0.4864



# Inverse Universe

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



8.4916, 0.1526, 0.0694



8.4831, 0.1526, 0.0693



9.3641, 0.1751, 0.0738



17.7915, 0.2979, 0.3079



4.5572, 0.1531, 0.0710



0.5628, 0.1576, 0.0873



# Previews

## White Background



This preview shows how the Yxy color 71.9230, 0.4472, 0.4831 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 71.9230, 0.4472, 0.4831 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 71.9230, 0.4472, 0.4831**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9230, 0.4472, 0.4831.



This preview shows how white text looks on a background with the Yxy color 71.9230, 0.4472, 0.4831.

# 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

71.9230, 0.4472, 0.4831

### Protanopia

71.8680, 0.4405, 0.4873

### Deuteranopia

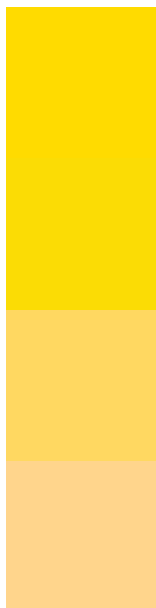
71.6530, 0.3884, 0.3917



## Tritanopia

72.0282, 0.3397, 0.3179

# Trichromacy



## Original Color

71.9230, 0.4472, 0.4831

## Protanomaly

71.7066, 0.4430, 0.4857

## Deuteranomaly

71.2348, 0.4229, 0.4434

## Tritanomaly

70.7419, 0.3980, 0.4036

# Monochromacy



## Original Color

71.9230, 0.4472, 0.4831

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

63.4199, 0.3796, 0.4181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9230, 0.4472, 0.4831 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, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 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, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9230, 0.4472, 0.4831 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, 219, 0) }
```

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

```
.border{ border-color:rgb(255, 219, 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, 219, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9230, 0.4472, 0.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 0) }
```

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

```
.background{ background-color: rgb(255,  
219, 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](#).

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