

# Converting Colors

$Yxy(76.0968, 0.4471, 0.4890)$

Have a look what the booklet for  
Yxy(76.0968, 0.4471, 0.4890)  
contains.

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# Color

**Yxy(75.6527, 0.4413, 0.4878)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE200
RGB	255, 226, 0
RGB Percent	100%, 89%, 0%
CMY	0.0000, 0.1137, 0.9998
CMYK	0.00, 0.11, 1.00, 0.00
HSL	53°, 100%, 50%
HSV	53°, 100%, 100%
XYZ	68.4410, 75.6527, 10.9959
YIQ	208.9070, 89.8300, -64.1380

# Conversions

## Conversions Part 2

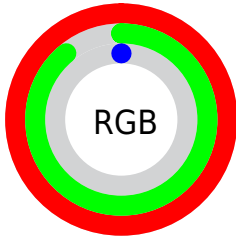
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	33, 255, 0
Decimal	16769536
CIE Lab	89.70, -7.44, 89.10
CIE LCh	90, 89.411, 94.772
Yxy	75.6527, 0.4413, 0.4878
Android (android.graphics.Color)	4294959616 (0xFFFFE200)
YUV	208.9070, -102.9912, 40.4236
Hunter-Lab	86.9786, -11.7557, 53.3895

# Details

The Yxy color **75.6527, 0.4413, 0.4878** 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 **8.1017, 0.1518, 0.0665**, and the grayscale version is **64.3420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **40.4633, 0.4409, 0.4881** is the 20% darker color. If you saturate the color by 10%, you get **75.6499, 0.4413, 0.4878**, and if you desaturate by 10%, it is **77.3167, 0.4367, 0.4864**.

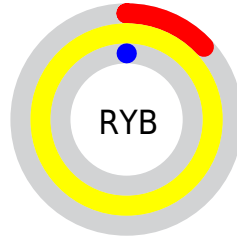
# Distribution



Red (100%)

Green (89%)

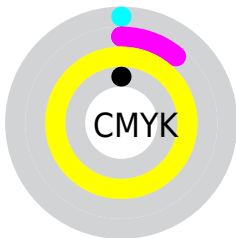
Blue (0%)



Red (13%)

Yellow (100%)

Blue (0%)

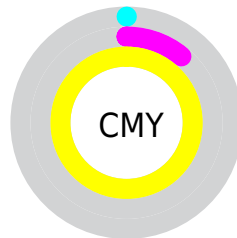


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6527, 0.4413, 0.4878 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 75.6527, 0.4413, 0.4878 by changing the saturation by 10% instead.




 75.6527, 0.4413,  
0.4878


 75.6527, 0.4413,  
0.4878

480.1580, 0.3923,  
0.4238


 56.1478, 0.4487,  
0.4985

 127.2359, 0.4273,  
0.4686


 40.3214, 0.4557,  
0.5096


 160.0829, 0.4209,  
0.4602

 27.7892, 0.4615,  
0.5204


 198.1460, 0.4150,  
0.4526

 18.1668, 0.4674,  
0.5326

 241.8098, 0.4097,  
0.4457

 11.0698, 0.4638,  
0.5362

 291.4584, 0.4047,  
0.4394

 6.1138, 0.4585,  
0.5415

 347.4764, 0.4002,

 2.9144, 0.4503,

0.4337

0.5497

410.2481, 0.3961,  
0.4285

■ 1.0872, 0.4355,  
0.5645

■ 0.0000, 0.0000,  
0.0000

■ 75.6527, 0.4413,  
0.4878

■ 75.6527, 0.4413,  
0.4878


■ 75.6499, 0.4413,  
0.4878

■ 77.3167, 0.4367,  
0.4864


■ 79.1013, 0.4296,  
0.4811

■ 81.0360, 0.4197,  
0.4711


■ 83.1385, 0.4072,  
0.4569

 85.4238, 0.3927,  
0.4390

 87.9050, 0.3769,  
0.4185

 90.5936, 0.3605,  
0.3964

 93.5004, 0.3440,  
0.3736

 96.6353, 0.3279,  
0.3509

# Harmonies

## Analogous

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



75.6527, 0.5046, 0.4172



75.6527, 0.4413, 0.4878



75.6527, 0.3509, 0.5270

# Triad

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



75.6527, 0.4413, 0.4878



75.6527, 0.1459, 0.2602



75.6527, 0.3467, 0.2234

# Complementary

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



75.6527, 0.4413, 0.4878



8.1017, 0.1518, 0.0665

# 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.



75.6527, 0.2459, 0.1882



75.6527, 0.4413, 0.4878



75.6527, 0.1460, 0.1997

# Square

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



75.6527, 0.4413, 0.4878



75.6527, 0.1817, 0.3673



75.6527, 0.1784, 0.1788



75.6527, 0.4531, 0.2789



# Rectangle

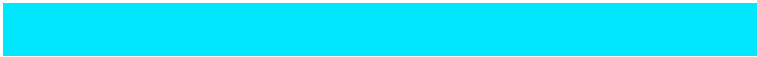
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6527, 0.4413, 0.4878



75.6527, 0.2865, 0.5092



75.6527, 0.1784, 0.1788



75.6527, 0.3103, 0.2090

# Sweetspot

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



75.6533, 0.4413, 0.4878



90.5877, 0.3605, 0.3965



21.3539, 0.6286, 0.3237



19.1413, 0.3675, 0.4059



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.



75.6533, 0.4413, 0.4878



75.6499, 0.4413, 0.4878



78.7155, 0.3526, 0.5582



20.7170, 0.3272, 0.3499



39.6697, 0.4409, 0.4881



3.9586, 0.4381, 0.4904



# Inverse Universe

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



8.1017, 0.1518, 0.0665



8.0990, 0.1518, 0.0665



9.8058, 0.1800, 0.0765



17.7103, 0.2979, 0.3072



4.3371, 0.1522, 0.0680



0.5247, 0.1562, 0.0822



# Previews

## White Background



This preview shows how the Yxy color 75.6527, 0.4413, 0.4878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

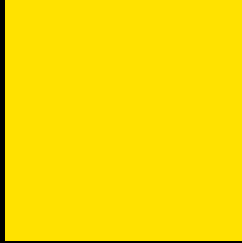
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6527, 0.4413, 0.4878 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 75.6527, 0.4413, 0.4878**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6527, 0.4413, 0.4878.

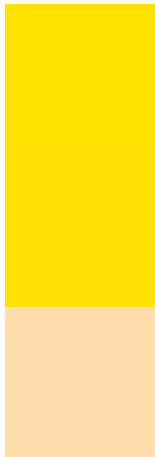


This preview shows how white text looks on a background with the Yxy color 75.6527, 0.4413, 0.4878.

# 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

75.6527, 0.4413, 0.4878

### Protanopia

75.6571, 0.4411, 0.4876

### Deuteranopia

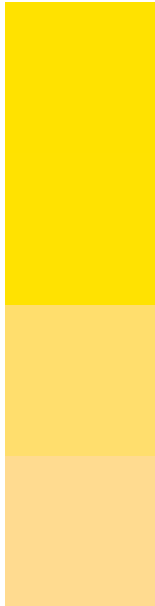
75.3867, 0.3733, 0.3793



## Tritanopia

75.3519, 0.3346, 0.3180

# Trichromacy



## Original Color

75.6527, 0.4413, 0.4878

## Protanomaly

75.6549, 0.4412, 0.4877

## Deuteranomaly

74.6067, 0.4127, 0.4391

## Tritanomaly

73.9367, 0.3925, 0.4053

# Monochromacy



## Original Color

75.6527, 0.4413, 0.4878

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

66.4631, 0.3786, 0.4201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6527, 0.4413, 0.4878 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, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 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, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6527, 0.4413, 0.4878 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, 226, 0) }
```

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

```
.border{ border-color:rgb(255, 226, 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, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6527, 0.4413, 0.4878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 0) }
```

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

```
.background{ background-color: rgb(255,  
226, 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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