

# Converting Colors

$Yxy(77.1822, 0.4209, 0.4629)$

Have a look what the booklet for  
Yxy(77.1822, 0.4209, 0.4629)  
contains.

<b>Yxy(77.1822, 0.4209, 0.4629)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(77.1822, 0.4209, 0.4629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE453
RGB	254, 228, 83
RGB Percent	100%, 89%, 33%
CMY	0.0039, 0.1059, 0.6746
CMYK	0.00, 0.10, 0.67, 0.00
HSL	51°, 99%, 66%
HSV	51°, 67%, 100%
XYZ	70.1793, 77.1822, 19.3747
YIQ	219.2440, 62.0410, -39.5830

# Conversions

## Conversions Part 2

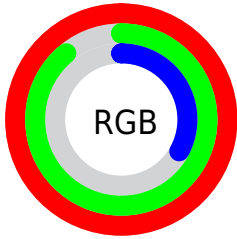
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	114, 254, 83
Decimal	16704595
CIE Lab	90.41, -6.73, 70.97
CIE LCh	90, 71.283, 95.414
Yxy	77.1822, 0.4209, 0.4629
Android (android.graphics.Color)	4294894675 (0xFFFE453)
YUV	219.2440, -67.1683, 30.4810
Hunter-Lab	87.8534, -11.1536, 48.4219

# Details

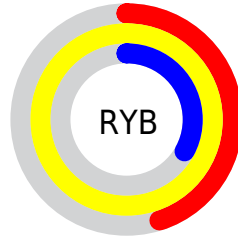
The Yxy color **77.1822, 0.4209, 0.4629** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **19.9250, 0.1882, 0.1393**, and the grayscale version is **71.4606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6441, 0.3804, 0.4408**, and **41.3910, 0.4378, 0.4861** is the 20% darker color. If you saturate the color by 10%, you get **74.7617, 0.4328, 0.4736**, and if you desaturate by 10%, it is **79.8011, 0.4066, 0.4481**.

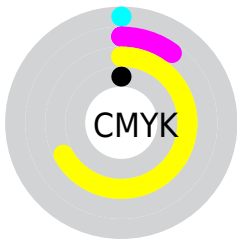
# Distribution



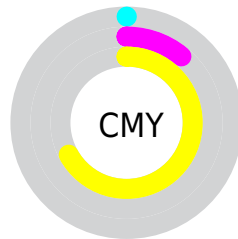
- Red (100%)
- Green (89%)
- Blue (33%)



- Red (45%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1822, 0.4209, 0.4629 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 77.1822, 0.4209, 0.4629 by changing the saturation by 10% instead.




 77.1822, 0.4209,  
0.4629

 77.1822, 0.4209,  
0.4629

485.3850, 0.3764,  
0.4056


 57.4024, 0.4289,  
0.4739


 129.3966, 0.4070,  
0.4445


 41.3284, 0.4376,  
0.4863

 162.6001, 0.4012,  
0.4369

 28.5758, 0.4466,  
0.4999


 201.0469, 0.3959,  
0.4301

 18.7602, 0.4551,  
0.5142

 245.1215, 0.3912,  
0.4241

 11.4971, 0.4663,  
0.5337

295.2082, 0.3869,  
0.4187

 6.4022, 0.4617,  
0.5383

351.6914, 0.3830,

 3.0912, 0.4546,

0.4139

0.5454

414.9555, 0.3795,  
0.4095

■ 1.1795, 0.4419,  
0.5581

■ 0.0449, 0.0000,  
1.0000

■ 77.1822, 0.4209,  
0.4629

■ 77.1822, 0.4209,  
0.4629

■ 74.7617, 0.4328,  
0.4736

■ 79.8011, 0.4066,  
0.4481

■ 72.5117, 0.4419,  
0.4797


■ 82.6218, 0.3907,  
0.4300

■ 70.4141, 0.4482,  
0.4812

■ 85.6607, 0.3739,  
0.4096

■ 69.8726, 0.4496,  
0.4812

■ 88.9292, 0.3567,  
0.3880

 92.4378, 0.3400,  
0.3660

 96.1963, 0.3239,  
0.3444

99.8125, 0.3121,  
0.3290

# Harmonies

## Analogous

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



77.1822, 0.4698, 0.4096



77.1822, 0.4209, 0.4629



77.1822, 0.3470, 0.4846

# Triad

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



77.1822, 0.4209, 0.4629



77.1822, 0.1741, 0.2751



77.1822, 0.3430, 0.2427

# Complementary

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



77.1822, 0.4209, 0.4629



19.9250, 0.1882, 0.1393

# 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.



77.1822, 0.2610, 0.2120



77.1822, 0.4209, 0.4629



77.1822, 0.1737, 0.2234

# Square

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



77.1822, 0.4209, 0.4629



77.1822, 0.2060, 0.3588



77.1822, 0.2028, 0.2042



77.1822, 0.4258, 0.2910



# Rectangle

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



77.1822, 0.4209, 0.4629



77.1822, 0.2937, 0.4660



77.1822, 0.2028, 0.2042



77.1822, 0.3140, 0.2302

# Sweetspot

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



77.1859, 0.4209, 0.4629



92.2918, 0.3444, 0.3718



28.4121, 0.5014, 0.3040



19.5399, 0.3491, 0.3780



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.



77.1859, 0.4209, 0.4629



74.5721, 0.4365, 0.4764



83.3830, 0.3649, 0.5068



20.5924, 0.3273, 0.3490



37.0105, 0.4490, 0.4817



3.7253, 0.4451, 0.4848



# Inverse Universe

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



19.9250, 0.1882, 0.1393



13.5752, 0.1681, 0.1030



18.9115, 0.2171, 0.1291



17.8234, 0.2979, 0.3082



4.6551, 0.1534, 0.0724



0.5777, 0.1581, 0.0893



# Previews

## White Background



This preview shows how the Yxy color 77.1822, 0.4209, 0.4629 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

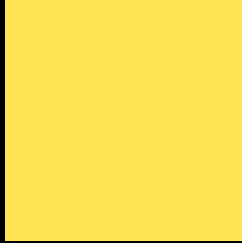
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.1822, 0.4209, 0.4629 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 77.1822, 0.4209, 0.4629**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.1822, 0.4209, 0.4629.



This preview shows how white text looks on a background with the Yxy color 77.1822, 0.4209, 0.4629.

# 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

77.1822, 0.4209, 0.4629

### Protanopia

77.1822, 0.4209, 0.4629

### Deuteranopia

76.7978, 0.3662, 0.3721



## Tritanopia

77.0600, 0.3321, 0.3181

# Trichromacy



## Original Color

77.1822, 0.4209, 0.4629

## Protanomaly

77.1822, 0.4209, 0.4629



## Deuteranomaly

76.6156, 0.3897, 0.4089



## Tritanomaly

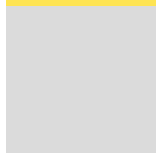
76.6371, 0.3691, 0.3762

# Monochromacy



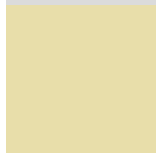
## Original Color

77.1822, 0.4209, 0.4629



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.3006, 0.3556, 0.3857

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1822, 0.4209, 0.4629 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(254, 228, 83)` looks like.

```
.text, #text, p{  
    color:rgb(254, 228, 83)  
}
```

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(254, 228, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 228, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1822, 0.4209, 0.4629 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(254, 228, 83) }
```

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

```
.border{ border-color:rgb(254, 228, 83) }
```

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

Here you see how a box with a 4 pixel rgb(254, 228, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 228, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 228, 83);  
box-shadow:4px 4px 4px 4px rgb(254, 228,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1822, 0.4209, 0.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 228, 83) }
```

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

```
.background{ background-color: rgb(254,  
228, 83) }
```

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