

# Converting Colors

$Yxy(78.1077, 0.4164, 0.4794)$

Have a look what the booklet for  
Yxy(78.1077, 0.4164, 0.4794)  
contains.

<b>Yxy(78.1077, 0.4164, 0.4794)</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(78.1077, 0.4164, 0.4794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E944
RGB	245, 233, 68
RGB Percent	96%, 91%, 27%
CMY	0.0392, 0.0863, 0.7331
CMYK	0.00, 0.05, 0.72, 0.04
HSL	56°, 90%, 61%
HSV	56°, 72%, 96%
XYZ	67.8432, 78.1077, 16.9771
YIQ	217.7780, 60.1170, -48.7710

# Conversions

## Conversions Part 2

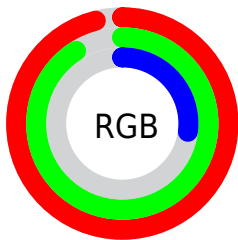
Format	Color
<a href="#">RYB</a>	<a href="#">81, 245, 68</a>
Decimal	<a href="#">16116036</a>
CIELab	<a href="#">90.83, -13.62, 76.54</a>
CIElCh	<a href="#">91, 77.745, 100.091</a>
Yxy	<a href="#">78.1077, 0.4164, 0.4794</a>
Android (android.graphics.Color)	<a href="#">4294306116 (0xFFFF5E944)</a>
YUV	<a href="#">217.7780, -73.8406, 23.8737</a>
Hunter-Lab	<a href="#">88.3786, -17.6381, 50.4757</a>

# Details

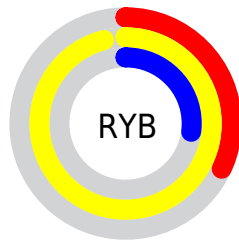
The Yxy color **78.1077, 0.4164, 0.4794** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **13.5712, 0.1765, 0.1102**, and the grayscale version is **70.4447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **42.1551, 0.4261, 0.4999** is the 20% darker color. If you saturate the color by 10%, you get **76.9346, 0.4243, 0.4888**, and if you desaturate by 10%, it is **79.4219, 0.4058, 0.4656**.

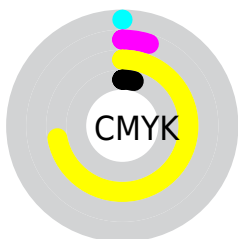
# Distribution



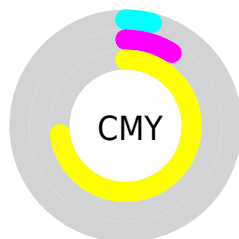
- Red (96%)
- Green (91%)
- Blue (27%)



- Red (32%)
- Yellow (96%)
- Blue (27%)



- Cyan (0%)
- Magenta (5%)
- Yellow (72%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1077, 0.4164, 0.4794 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 78.1077, 0.4164, 0.4794 by changing the saturation by 10% instead.





 78.1077, 0.4164,  
0.4794


 78.1077, 0.4164,  
0.4794


488.5325, 0.3755,  
0.4147


 58.1625, 0.4232,  
0.4918


 130.7019, 0.4042,  
0.4587


 41.9393, 0.4300,  
0.5057


 164.1197, 0.3988,  
0.4501

 29.0537, 0.4365,  
0.5209


 202.7971, 0.3940,  
0.4425

 19.1215, 0.4413,  
0.5369

 247.1186, 0.3895,  
0.4357

 11.7581, 0.4446,  
0.5554

 297.4684, 0.3855,  
0.4296

 6.5792, 0.4353,  
0.5647


354.2311, 0.3819,


 3.2003, 0.4207,


0.4241


0.5793


417.7910, 0.3786,  
0.4192


 1.2372, 0.3947,  
0.6053


 0.0918, 0.0000,  
1.0000


 78.1077, 0.4164,  
0.4794


 78.1077, 0.4164,  
0.4794


 76.9346, 0.4243,  
0.4888


 79.4219, 0.4058,  
0.4656

 75.8749, 0.4295,  
0.4938


 80.8802, 0.3930,  
0.4479


 75.1120, 0.4319,  
0.4952

 82.4982, 0.3785,  
0.4273


 84.2866, 0.3630,  
0.4047

 86.2554, 0.3471,  
0.3810

 88.4135, 0.3313,  
0.3573

 90.7692, 0.3160,  
0.3340

 92.7328, 0.3068,  
0.3205

 93.7507, 0.3067,  
0.3221

# Harmonies

## Analogous

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



78.1077, 0.4757, 0.4232



78.1077, 0.4164, 0.4794



78.1077, 0.3346, 0.4973

# Triad

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



78.1077, 0.4164, 0.4794



78.1077, 0.1623, 0.2586



78.1077, 0.3600, 0.2434

# Complementary

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



78.1077, 0.4164, 0.4794



13.5712, 0.1765, 0.1102

# 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.



78.1077, 0.2690, 0.2076



78.1077, 0.4164, 0.4794



78.1077, 0.1671, 0.2099

# Square

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



78.1077, 0.4164, 0.4794



78.1077, 0.1900, 0.3449



78.1077, 0.2024, 0.1951



78.1077, 0.4471, 0.2965



# Rectangle

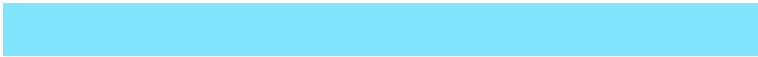
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1077, 0.4164, 0.4794



78.1077, 0.2780, 0.4701



78.1077, 0.2024, 0.1951



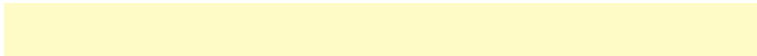
78.1077, 0.3282, 0.2292

# Sweetspot

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



78.1114, 0.4164, 0.4794



94.4933, 0.3468, 0.3806



24.1771, 0.5425, 0.3177



20.0955, 0.3511, 0.3871



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.



78.1114, 0.4164, 0.4794



83.6562, 0.4272, 0.4919



74.4201, 0.3556, 0.5235



19.1096, 0.3270, 0.3508



40.5427, 0.4317, 0.4954



3.6202, 0.4300, 0.4968



# Inverse Universe

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



13.5712, 0.1765, 0.1102



9.6768, 0.1582, 0.0775



16.4661, 0.2212, 0.1227



16.1072, 0.2979, 0.3062



3.8302, 0.1512, 0.0642



0.3986, 0.1541, 0.0746



# Previews

## White Background



This preview shows how the Yxy color 78.1077, 0.4164, 0.4794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

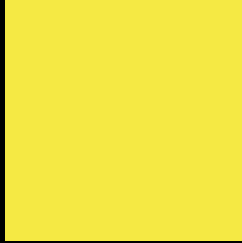
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.1077, 0.4164, 0.4794 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 78.1077, 0.4164, 0.4794**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1077, 0.4164, 0.4794.



This preview shows how white text looks on a background with the Yxy color 78.1077, 0.4164, 0.4794.

# 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

78.1077, 0.4164, 0.4794

### Protanopia

77.9705, 0.4197, 0.4613

### Deuteranopia

77.9902, 0.3636, 0.3709



## Tritanopia

77.8635, 0.3285, 0.3141

# Trichromacy



## Original Color

78.1077, 0.4164, 0.4794

## Protanomaly

77.6674, 0.4189, 0.4682

## Deuteranomaly

77.3705, 0.3879, 0.4165

## Tritanomaly

76.8765, 0.3668, 0.3807

# Monochromacy



## Original Color

78.1077, 0.4164, 0.4794

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.9137, 0.3571, 0.3951

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1077, 0.4164, 0.4794 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(245, 233, 68)` looks like.

```
.text, #text, p{  
    color:rgb(245, 233, 68)  
}
```

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(245, 233, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 233, 68) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1077, 0.4164, 0.4794 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(245, 233, 68) }
```

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

```
.border{ border-color:rgb(245, 233, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 233, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 233, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 233, 68);  
box-shadow:4px 4px 4px 4px rgb(245, 233,  
68) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1077, 0.4164, 0.4794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 233, 68) }
```

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

```
.background{ background-color: rgb(245,  
233, 68) }
```

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