

# Converting Colors

$Y_{xy}(79.3325, 0.4155, 0.4984)$

Have a look what the booklet for  
Yxy(79.3325, 0.4155, 0.4984)  
contains.

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**Color**

**Yxy(79.4727, 0.4152, 0.4984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEE27
RGB	238, 238, 39
RGB Percent	93%, 93%, 15%
CMY	0.0666, 0.0667, 0.8467
CMYK	0.00, 0.00, 0.84, 0.07
HSL	60°, 85%, 54%
HSV	60°, 84%, 93%
XYZ	66.2060, 79.4727, 13.7770
YIQ	215.3140, 63.8790, -61.8890

# Conversions

## Conversions Part 2

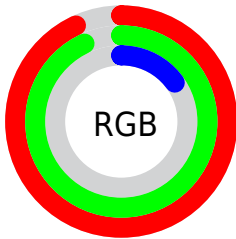
Format	Color
R <sub>Y</sub> B	39, 238, 39
Decimal	15658535
CIE Lab	91.45, -19.91, 84.85
CIE LCh	91, 87.154, 103.208
Yxy	79.4727, 0.4152, 0.4984
Android (android.graphics.Color)	4293848615 (0xFFEEEE27)
YUV	215.3140, -86.9228, 19.8956
Hunter-Lab	89.1475, -23.4438, 53.2405

# Details

The Yxy color **79.4727, 0.4152, 0.4984** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.0654, 0.1595, 0.0756**, and the grayscale version is **68.7585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8206, 0.3961, 0.4668**, and **42.9209, 0.4155, 0.5083** is the 20% darker color. If you saturate the color by 10%, you get **79.3635, 0.4183, 0.5036**, and if you desaturate by 10%, it is **79.6881, 0.4095, 0.4890**.

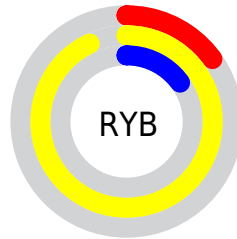
# Distribution



Red (93%)

Green (93%)

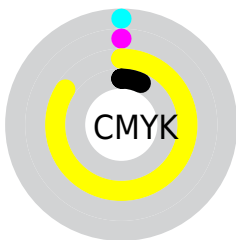
Blue (15%)



Red (15%)

Yellow (93%)

Blue (15%)

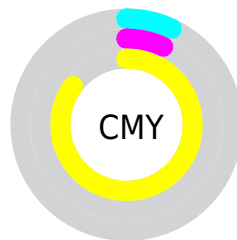


Cyan (0%)

Magenta (0%)

Yellow (84%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4727, 0.4152, 0.4984 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 79.4727, 0.4152, 0.4984 by changing the saturation by 10% instead.




 79.4727, 0.4152,  
0.4984

 79.4727, 0.4152,  
0.4984


493.1540, 0.3774,  
0.4262


 59.2845, 0.4205,  
0.5119

 132.6241, 0.4046,  
0.4756

 42.8422, 0.4254,  
0.5267

 166.3562, 0.3998,  
0.4660


 29.7613, 0.4288,  
0.5426


 205.3716, 0.3952,  
0.4575

 19.6575, 0.4311,  
0.5612

 250.0549, 0.3910,  
0.4499

 12.1463, 0.4250,  
0.5750

 300.7904, 0.3872,  
0.4430

 6.8434, 0.4114,  
0.5886


357.9625, 0.3836,


 3.3644, 0.3904,

0.4369

0.6096


421.9556, 0.3804,  
0.4313


 1.3248, 0.3516,  
0.6484


 0.1603, 0.0000,  
1.0000


 79.4727, 0.4152,  
0.4984


 79.4727, 0.4152,  
0.4984


 79.3635, 0.4183,  
0.5036


 79.6881, 0.4095,  
0.4890

 79.3275, 0.4193,  
0.5052


 80.0147, 0.4011,  
0.4751


 80.4693, 0.3903,  
0.4573


 81.0633, 0.3776,  
0.4362

 81.8069, 0.3634,  
0.4127

 82.7093, 0.3483,  
0.3879

 83.7789, 0.3330,  
0.3626

 85.0236, 0.3180,  
0.3377

 86.4507, 0.3035,  
0.3137

# Harmonies

## Analogous

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



79.4727, 0.4855, 0.4358



79.4727, 0.4152, 0.4984



79.4727, 0.3244, 0.5162

# Triad

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



79.4727, 0.4152, 0.4984



79.4727, 0.1480, 0.2423



79.4727, 0.3757, 0.2405

# Complementary

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



79.4727, 0.4152, 0.4984



8.0654, 0.1595, 0.0756

# 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.



79.4727, 0.2732, 0.1998



79.4727, 0.4152, 0.4984



79.4727, 0.1568, 0.1951

# Square

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



79.4727, 0.4152, 0.4984



79.4727, 0.1728, 0.3337



79.4727, 0.1978, 0.1834



79.4727, 0.4702, 0.2986



# Rectangle

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



79.4727, 0.4152, 0.4984



79.4727, 0.2632, 0.4807



79.4727, 0.1978, 0.1834



79.4727, 0.3401, 0.2246

# Sweetspot

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



79.4764, 0.4152, 0.4984



96.5494, 0.3506, 0.3917



19.8073, 0.6034, 0.3282



20.5834, 0.3560, 0.4005



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.



79.4764, 0.4152, 0.4984



92.7671, 0.4193, 0.5052



67.0450, 0.3456, 0.5506



18.4588, 0.3268, 0.3523



44.2500, 0.4193, 0.5052



3.6813, 0.4193, 0.5052



# Inverse Universe

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



8.0654, 0.1595, 0.0756



7.2204, 0.1500, 0.0600



12.8020, 0.2165, 0.1058



15.2290, 0.2979, 0.3046



3.4443, 0.1500, 0.0600

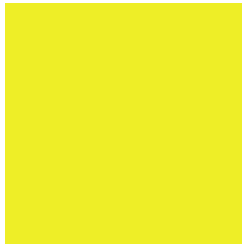


0.2866, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 79.4727, 0.4152, 0.4984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

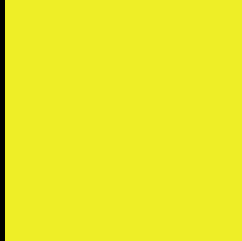
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.4727, 0.4152, 0.4984 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 79.4727, 0.4152, 0.4984**

## Background



This preview shows how black text looks on a background with the Yxy color 79.4727, 0.4152, 0.4984.



This preview shows how white text looks on a background with the Yxy color 79.4727, 0.4152, 0.4984.

# 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

79.4727, 0.4152, 0.4984

### Protanopia

79.4113, 0.4101, 0.4503

### Deuteranopia

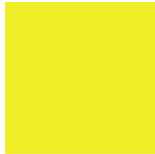
79.2406, 0.3602, 0.3688



## Tritanopia

78.8275, 0.3235, 0.3112

# Trichromacy



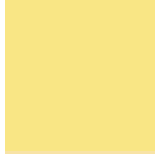
## Original Color

79.4727, 0.4152, 0.4984



## Protanomaly

79.5646, 0.4144, 0.4715



## Deuteranomaly

78.4268, 0.3900, 0.4272



## Tritanomaly

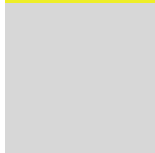
77.6478, 0.3691, 0.3923

# Monochromacy



## Original Color

79.4727, 0.4152, 0.4984



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

70.6977, 0.3613, 0.4093

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4727, 0.4152, 0.4984 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(238, 238, 39)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 39)  
}
```

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(238, 238, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 39) }
```

## Border

The CSS property to change the border of an element to Yxy 79.4727, 0.4152, 0.4984 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".

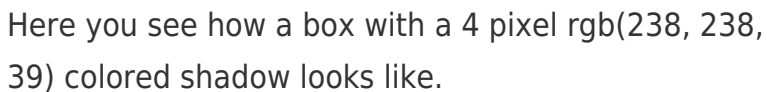
```
.border, #border, table{ border:4px solid rgb(238, 238, 39) }
```

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

```
.border{ border-color:rgb(238, 238, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 39)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 39);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
39) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.4727, 0.4152, 0.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 39) }
```

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

```
.background{ background-color: rgb(238,  
238, 39) }
```

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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