

# Converting Colors

Yxy(81.8601, 0.4168, 0.4689)

Have a look what the booklet for  
Yxy(81.8601, 0.4168, 0.4689)  
contains.

<b>Yxy(81.8601, 0.4168, 0.4689)</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(81.8601, 0.4168, 0.4689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEC52
RGB	255, 236, 82
RGB Percent	100%, 93%, 32%
CMY	0.0000, 0.0745, 0.6783
CMYK	0.00, 0.07, 0.68, 0.00
HSL	53°, 100%, 66%
HSV	53°, 68%, 100%
XYZ	72.7645, 81.8601, 19.9544
YIQ	224.1250, 60.7580, -43.8660

# Conversions

## Conversions Part 2

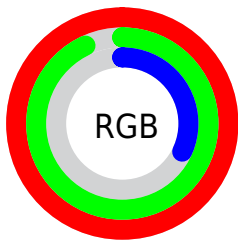
Format	Color
<a href="#">RYB</a>	103, 255, 82
Decimal	16772178
CIELab	92.51, -10.33, 73.49
CIELCh	93, 74.211, 98.000
Yxy	81.8601, 0.4168, 0.4689
Android (android.graphics.Color)	4294962258 (0xFFFFEC52)
YUV	224.1250, -70.0676, 27.0774
Hunter-Lab	90.4766, -14.7778, 50.2573

# Details

The Yxy color **81.8601, 0.4168, 0.4689** 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 **18.3300, 0.1854, 0.1297**, and the grayscale version is **75.1158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6441, 0.3804, 0.4408**, and **44.6652, 0.4317, 0.4936** is the 20% darker color. If you saturate the color by 10%, you get **79.9411, 0.4272, 0.4799**, and if you desaturate by 10%, it is **83.9494, 0.4039, 0.4538**.

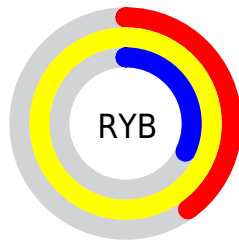
# Distribution



Red (100%)

Green (93%)

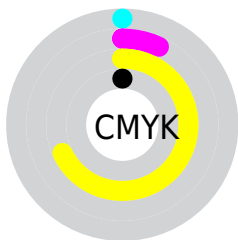
Blue (32%)



Red (40%)

Yellow (100%)

Blue (32%)

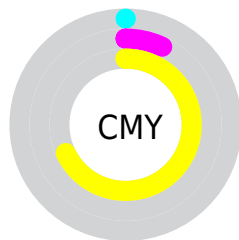


Cyan (0%)

Magenta (7%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8601, 0.4168, 0.4689 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 81.8601, 0.4168, 0.4689 by changing the saturation by 10% instead.



 81.8601, 0.4168,  
0.4689

 81.8601, 0.4168,  
0.4689

501.1796, 0.3750,  
0.4092

 61.2502, 0.4241,  
0.4804


 135.9778, 0.4040,  
0.4498


 44.4271, 0.4318,  
0.4933

 170.2544, 0.3985,  
0.4418

 31.0064, 0.4396,  
0.5076

 209.8554, 0.3936,  
0.4348

 20.6038, 0.4465,  
0.5228

 255.1651, 0.3891,  
0.4285

 12.8347, 0.4561,  
0.5439

306.5680, 0.3851,  
0.4229

 7.3148, 0.4495,  
0.5505

364.4485, 0.3814,

 3.6597, 0.4394,

0.4179

0.5606

429.1909, 0.3781,  
0.4133

■ 1.4851, 0.4221,  
0.5779

■ 0.2782, 0.0424,  
0.9576

■ 81.8601, 0.4168,  
0.4689

■ 81.8601, 0.4168,  
0.4689

■ 79.9411, 0.4272,  
0.4799

■ 83.9494, 0.4039,  
0.4538

■ 78.1742, 0.4347,  
0.4862


■ 86.2222, 0.3892,  
0.4352

■ 76.5370, 0.4396,  
0.4883

■ 88.6915, 0.3733,  
0.4142

■ 76.1916, 0.4405,  
0.4885

■ 91.3689, 0.3568,  
0.3918

 94.2649, 0.3405,  
0.3689

 97.3890, 0.3246,  
0.3462

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



81.8601, 0.4699, 0.4157



81.8601, 0.4168, 0.4689



81.8601, 0.3403, 0.4873

# Triad

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



81.8601, 0.4168, 0.4689



81.8601, 0.1705, 0.2678



81.8601, 0.3512, 0.2448

# Complementary

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



81.8601, 0.4168, 0.4689



18.3300, 0.1854, 0.1297

# 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.



81.8601, 0.2664, 0.2119



81.8601, 0.4168, 0.4689



81.8601, 0.1728, 0.2185

# Square

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



81.8601, 0.4168, 0.4689



81.8601, 0.1998, 0.3511



81.8601, 0.2047, 0.2017



81.8601, 0.4343, 0.2949



# Rectangle

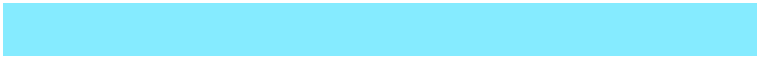
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8601, 0.4168, 0.4689



81.8601, 0.2862, 0.4646



81.8601, 0.2047, 0.2017



81.8601, 0.3215, 0.2316

# Sweetspot

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



81.8605, 0.4168, 0.4689



93.6171, 0.3440, 0.3739



28.2637, 0.5154, 0.3121



19.8618, 0.3486, 0.3803



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.



81.8605, 0.4168, 0.4689



79.3652, 0.4299, 0.4824



82.9099, 0.3592, 0.5117



20.7297, 0.3272, 0.3500



39.9487, 0.4401, 0.4888



3.9829, 0.4374, 0.4909



# Inverse Universe

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



18.3300, 0.1854, 0.1297



12.3836, 0.1660, 0.0954



19.5877, 0.2229, 0.1310



17.6988, 0.2979, 0.3071



4.3093, 0.1521, 0.0676



0.5193, 0.1560, 0.0815



# Previews

## White Background



This preview shows how the Yxy color 81.8601, 0.4168, 0.4689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

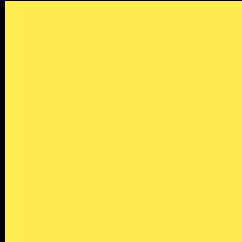
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.8601, 0.4168, 0.4689 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 81.8601, 0.4168, 0.4689**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.8601, 0.4168, 0.4689.



This preview shows how white text looks on a background with the Yxy color 81.8601, 0.4168, 0.4689.

# 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**

81.8601, 0.4168, 0.4689

**Protanopia**

81.8832, 0.3909, 0.4262

**Deuteranopia**

81.9308, 0.3517, 0.3614



## Tritanopia

81.7088, 0.3265, 0.3192

# Trichromacy



## Original Color

81.8601, 0.4168, 0.4689



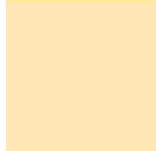
## Protanomaly

81.9376, 0.4017, 0.4442



## Deuteranomaly

81.3735, 0.3793, 0.4056



## Tritanomaly

81.1489, 0.3640, 0.3798

# Monochromacy



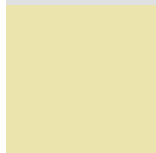
## Original Color

81.8601, 0.4168, 0.4689



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

76.1275, 0.3550, 0.3891

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.8601, 0.4168, 0.4689 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, 236, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 82)  
}
```

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, 236, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 81.8601, 0.4168, 0.4689 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, 236, 82) }
```

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

```
.border{ border-color:rgb(255, 236, 82) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.8601, 0.4168, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 82) }
```

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

```
.background{ background-color: rgb(255,  
236, 82) }
```

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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