

# Converting Colors

$Y_{xy}(90.0078, 0.4229, 0.5020)$

Have a look what the booklet for  
Yxy(90.0078, 0.4229, 0.5020)  
contains.

<b>Yxy(89.6378, 0.4227, 0.5022)</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(89.6378, 0.4227, 0.5022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFA03
RGB	255, 250, 3
RGB Percent	100%, 98%, 1%
CMY	0.0000, 0.0196, 0.9890
CMYK	0.00, 0.02, 0.99, 0.00
HSL	59°, 100%, 51%
HSV	59°, 99%, 100%
XYZ	75.4478, 89.6378, 13.4046
YIQ	223.3370, 82.2670, -75.7570

# Conversions

## Conversions Part 2

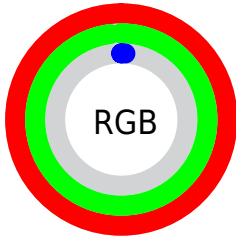
Format	Color
R <sub>Y</sub> B	8, 255, 3
Decimal	16775683
CIE Lab	95.85, -19.14, 93.34
CIE LCh	96, 95.287, 101.588
Yxy	89.6378, 0.4227, 0.5022
Android (android.graphics.Color)	4294965763 (0xFFFFFA03)
YUV	223.3370, -108.6261, 27.7685
Hunter-Lab	94.6772, -23.4394, 57.8797

# Details

The Yxy color **89.6378, 0.4227, 0.5022** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.4074, 0.1506, 0.0614**, and the grayscale version is **74.7723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **49.9210, 0.4184, 0.5060** is the 20% darker color. If you saturate the color by 10%, you get **89.5968, 0.4229, 0.5024**, and if you desaturate by 10%, it is **90.0312, 0.4203, 0.4993**.

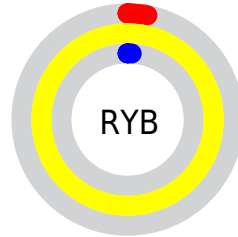
# Distribution



Red (100%)

Green (98%)

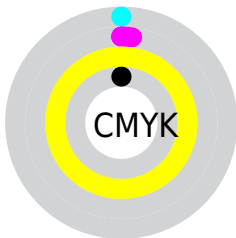
Blue (1%)



Red (3%)

Yellow (100%)

Blue (1%)

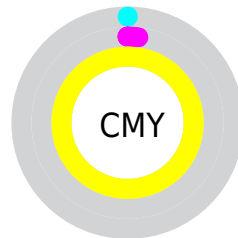


Cyan (0%)

Magenta (2%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6378, 0.4227, 0.5022 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 89.6378, 0.4227, 0.5022 by changing the saturation by 10% instead.




 89.6378, 0.4227,  
0.5022

 89.6378, 0.4227,  
0.5022


526.8519, 0.3839,  
0.4318


 67.6803, 0.4279,  
0.5146


 146.8352, 0.4122,  
0.4806


 49.6377, 0.4324,  
0.5278


 182.8438, 0.4073,  
0.4714


 35.1256, 0.4355,  
0.5416


 224.3050, 0.4026,  
0.4631

 23.7596, 0.4376,  
0.5576

 271.6030, 0.3983,  
0.4555

 15.1554, 0.4318,  
0.5682

 325.1223, 0.3943,  
0.4487

 8.9285, 0.4208,  
0.5792


 385.2473, 0.3906,


 4.6946, 0.4044,


0.4425


452.3624, 0.3871,  
0.4369


0.5956


 2.0692, 0.3772,  
0.6228


 0.6472, 0.1860,  
0.8140


 89.6378, 0.4227,  
0.5022


 89.6378, 0.4227,  
0.5022


 89.5968, 0.4229,  
0.5024


 90.0312, 0.4203,  
0.4993


 90.5259, 0.4156,  
0.4924


 91.1466, 0.4082,  
0.4811

 91.9107, 0.3981,  
0.4656

 92.8326, 0.3859,  
0.4463

 93.9252, 0.3719,  
0.4242

 95.1999, 0.3569,  
0.4002

 96.6671, 0.3415,  
0.3754

 98.3365, 0.3260,  
0.3505

# Harmonies

## Analogous

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



89.6378, 0.4949, 0.4342



89.6378, 0.4227, 0.5022



89.6378, 0.3287, 0.5274

# Triad

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



89.6378, 0.4227, 0.5022



89.6378, 0.1421, 0.2417



89.6378, 0.3724, 0.2340

# Complementary

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



89.6378, 0.4227, 0.5022



7.4074, 0.1506, 0.0614

# 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.



89.6378, 0.2660, 0.1933



89.6378, 0.4227, 0.5022



89.6378, 0.1497, 0.1911

# Square

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



89.6378, 0.4227, 0.5022



89.6378, 0.1692, 0.3396



89.6378, 0.1898, 0.1777



89.6378, 0.4737, 0.2931



# Rectangle

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



89.6378, 0.4227, 0.5022



89.6378, 0.2649, 0.4943



89.6378, 0.1898, 0.1777



89.6378, 0.3350, 0.2179

# Sweetspot

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



89.6375, 0.4227, 0.5022



95.0506, 0.3586, 0.4029



21.3454, 0.6364, 0.3287



20.2267, 0.3650, 0.4131



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.



89.6375, 0.4227, 0.5022



89.5968, 0.4229, 0.5024



76.8705, 0.3405, 0.5673



21.0253, 0.3270, 0.3520



46.8443, 0.4228, 0.5025



4.5800, 0.4224, 0.5028



# Inverse Universe

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



7.4074, 0.1506, 0.0614



7.3297, 0.1502, 0.0608



11.3093, 0.1952, 0.0853



17.4354, 0.2978, 0.3049



3.8549, 0.1503, 0.0612

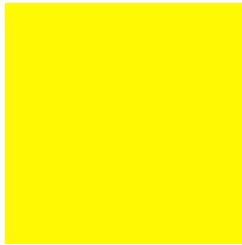


0.3948, 0.1511, 0.0640



# Previews

## White Background



This preview shows how the Yxy color 89.6378, 0.4227, 0.5022 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

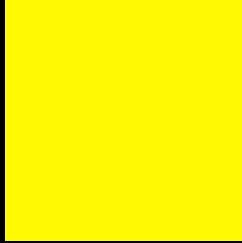
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.6378, 0.4227, 0.5022 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 89.6378, 0.4227, 0.5022**

## Background



This preview shows how black text looks on a background with the Yxy color 89.6378, 0.4227, 0.5022.

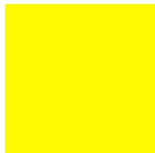


This preview shows how white text looks on a background with the Yxy color 89.6378, 0.4227, 0.5022.

# 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



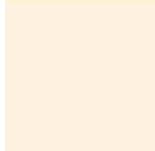
### Original Color

89.6378, 0.4227, 0.5022



### Protanopia

89.3924, 0.3496, 0.3749



### Deuteranopia

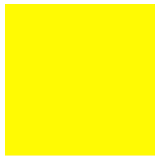
89.5524, 0.3327, 0.3458



## Tritanopia

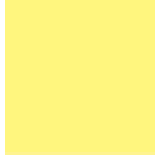
89.6468, 0.3190, 0.3222

# Trichromacy



## Original Color

89.6378, 0.4227, 0.5022



## Protanomaly

88.6779, 0.3910, 0.4448



## Deuteranomaly

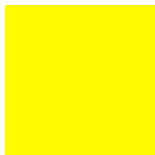
87.9750, 0.3820, 0.4274



## Tritanomaly

87.8298, 0.3741, 0.4135

# Monochromacy



## Original Color

89.6378, 0.4227, 0.5022



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.9232, 0.3721, 0.4242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.6378, 0.4227, 0.5022 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, 250, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 3)  
}
```

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, 250, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 3) }
```

## Border

The CSS property to change the border of an element to Yxy 89.6378, 0.4227, 0.5022 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, 250, 3) }
```

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

```
.border{ border-color:rgb(255, 250, 3) }
```

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

Here you see how a box with a 4 pixel rgb(255, 250, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
3) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.6378, 0.4227, 0.5022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 3) }
```

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

```
.background{ background-color: rgb(255,  
250, 3) }
```

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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