

# Converting Colors

$Y_{xy}(14.3378, 0.4179, 0.4838)$

Have a look what the booklet for  
Yxy(14.3378, 0.4179, 0.4838)  
contains.

<b>Yxy(14.2977, 0.4172, 0.4839)</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(14.2977, 0.4172, 0.4839)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	716C17
RGB	113, 108, 23
RGB Percent	44%, 42%, 9%
CMY	0.5569, 0.5765, 0.9097
CMYK	0.00, 0.04, 0.80, 0.56
HSL	57°, 66%, 27%
HSV	57°, 80%, 44%
XYZ	12.3269, 14.2977, 2.9222
YIQ	99.8050, 30.2650, -25.3750

# Conversions

## Conversions Part 2

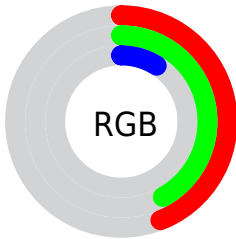
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 113, 23
Decimal	7433239
CIE <sub>Lab</sub>	44.66, -8.36, 44.70
CIE <sub>LCh</sub>	45, 45.477, 100.595
Yxy	14.2977, 0.4172, 0.4839
Android (android.graphics.Color)	4285623319 (0xFF716C17)
YUV	99.8050, -37.8649, 11.5720
Hunter-Lab	37.8123, -7.9800, 21.8866

# Details

The Yxy color **14.2977, 0.4172, 0.4839** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.2062, 0.1720, 0.1012**, and the grayscale version is **12.7852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5062, 0.3971, 0.4500**, and **4.3616, 0.4218, 0.5033** is the 20% darker color. If you saturate the color by 10%, you get **14.1306, 0.4237, 0.4919**, and if you desaturate by 10%, it is **14.4865, 0.4083, 0.4720**.

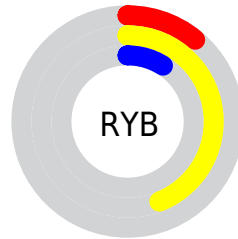
# Distribution



Red (44%)

Green (42%)

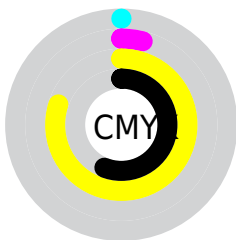
Blue (9%)



Red (11%)

Yellow (44%)

Blue (9%)

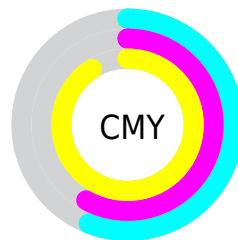


Cyan (0%)

Magenta (4%)

Yellow (80%)

Black (56%)



Cyan (56%)

Magenta (58%)


Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2977, 0.4172, 0.4839 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 14.2977, 0.4172, 0.4839 by changing the saturation by 10% instead.





 14.2977, 0.4172,  
0.4839


 14.2977, 0.4172,  
0.4839


 219.0750, 0.3611,  
0.3949


 8.3280, 0.4287,  
0.5071


 33.6163, 0.3973,  
0.4497


 4.3055, 0.4508,  
0.5492

 47.7341, 0.3895,  
0.4372


 1.8459, 0.4386,  
0.5614

 65.3366, 0.3828,  
0.4270

 0.5155, 0.3567,  
0.6433


 86.8083, 0.3771,  
0.4184


 0.0000, 0.0000,  
0.0000

 112.5336, 0.3722,  
0.4111


 142.8969, 0.3680,


0.4049

 178.2826, 0.3643,  
0.3996

 14.2977, 0.4172,  
0.4839


 14.2977, 0.4172,  
0.4839


 14.1306, 0.4237,  
0.4919


 14.4865, 0.4083,  
0.4720


 13.9748, 0.4287,  
0.4974

 14.6970, 0.3973,  
0.4565

 13.9689, 0.4289,  
0.4977

 14.9320, 0.3845,  
0.4380

 15.1929, 0.3705,  
0.4173

 15.4815, 0.3558,  
0.3952

■ 15.7991, 0.3410,  
0.3726

■ 16.1470, 0.3263,  
0.3501

■ 16.5264, 0.3122,  
0.3282

■ 16.9385, 0.2988,  
0.3073

# Harmonies

## Analogous

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



14.2977, 0.4790, 0.4258



14.2977, 0.4172, 0.4839



14.2977, 0.3331, 0.5025

# Triad

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



14.2977, 0.4172, 0.4839



14.2977, 0.1585, 0.2551



14.2977, 0.3629, 0.2420

# Complementary

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



14.2977, 0.4172, 0.4839



2.2062, 0.1720, 0.1012

# 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.



14.2977, 0.2690, 0.2052



14.2977, 0.4172, 0.4839



14.2977, 0.1640, 0.2063

# Square

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



14.2977, 0.4172, 0.4839



14.2977, 0.1859, 0.3433



14.2977, 0.2004, 0.1919



14.2977, 0.4523, 0.2964



# Rectangle

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



14.2977, 0.4172, 0.4839



14.2977, 0.2751, 0.4739



14.2977, 0.2004, 0.1919



14.2977, 0.3301, 0.2274

# Sweetspot

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



14.2984, 0.4172, 0.4839



28.0021, 0.3484, 0.3840



4.2132, 0.5584, 0.3206



6.4401, 0.3526, 0.3902



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.2984, 0.4172, 0.4839



25.0633, 0.4276, 0.4959



13.3271, 0.3536, 0.5304



3.8861, 0.3254, 0.3487



15.8381, 0.4290, 0.4976



78.4745, 0.4295, 0.4972



# Inverse Universe

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



2.2062, 0.1720, 0.1012



2.4816, 0.1537, 0.0685



2.8308, 0.2198, 0.1180



3.3274, 0.2996, 0.3085



1.4967, 0.1516, 0.0657



7.0436, 0.1507, 0.0625



# Previews

## White Background



This preview shows how the Yxy color 14.2977, 0.4172, 0.4839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

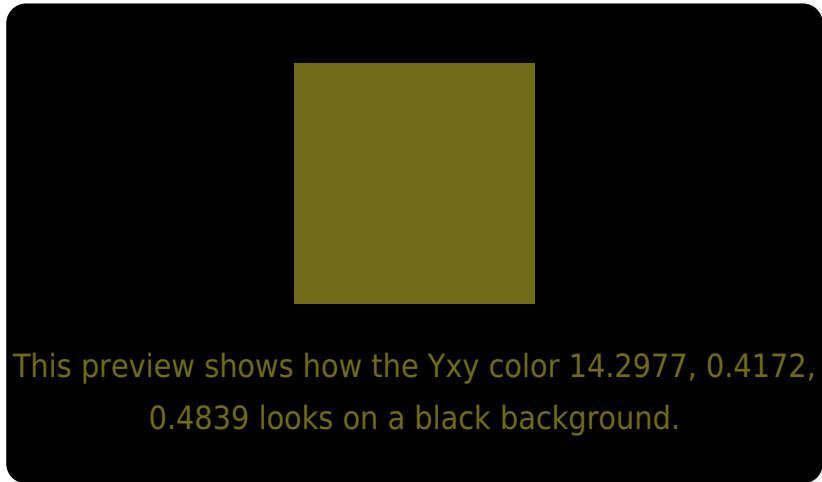
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

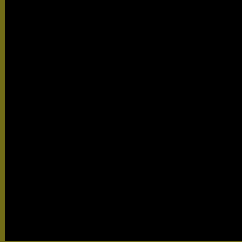
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 14.2977, 0.4172, 0.4839**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.2977, 0.4172, 0.4839.



This preview shows how white text looks on a background with the Yxy color 14.2977, 0.4172, 0.4839.

# 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

14.2977, 0.4172, 0.4839

### Protanopia

14.2919, 0.4292, 0.4749

### Deuteranopia

14.1800, 0.4563, 0.4484



## Tritanopia

14.3831, 0.3309, 0.3150

# Trichromacy



## Original Color

14.2977, 0.4172, 0.4839

## Protanomaly

14.3592, 0.4247, 0.4784

## Deuteranomaly

14.2107, 0.4421, 0.4606

## Tritanomaly

14.2184, 0.3694, 0.3854

# Monochromacy



## Original Color

14.2977, 0.4172, 0.4839

## Achromatopsia

12.7438, 0.3127, 0.3290

## Achromatomaly

13.1716, 0.3582, 0.3983

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.2977, 0.4172, 0.4839 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(113, 108, 23)` looks like.

```
.text, #text, p{  
    color:rgb(113, 108, 23)  
}
```

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(113, 108, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 108, 23) }
```

## Border

The CSS property to change the border of an element to Yxy 14.2977, 0.4172, 0.4839 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(113, 108, 23) }
```

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

```
.border{ border-color:rgb(113, 108, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 108, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 108, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 108, 23);  
box-shadow:4px 4px 4px 4px rgb(113, 108,  
23) }
```



# Background

The CSS property to change the background color of an element to Yxy 14.2977, 0.4172, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 108, 23) }
```

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

```
.background{ background-color: rgb(113,  
108, 23) }
```

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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