

Converting Colors

$Y_{xy}(14.0163, 0.4255, 0.5242)$

Have a look what the booklet for
Yxy(14.0163, 0.4255, 0.5242)
contains.

Yxy(14.0631, 0.4163, 0.5077)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.0631, 0.4163, 0.5077)

Conversions

Conversions Part 1

Format	Color
Hex	6B6D00
RGB	107, 109, 0
RGB Percent	42%, 43%, 0%
CMY	0.5804, 0.5725, 1.0000
CMYK	0.02, 0.00, 1.00, 0.57
HSL	61°, 100%, 21%
HSV	61°, 100%, 43%
XYZ	11.5314, 14.0631, 2.1052
YIQ	95.9760, 33.7970, -34.3230

Conversions

Conversions Part 2

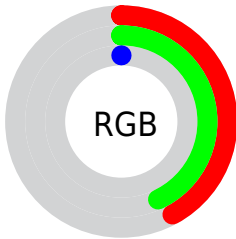
Format	Color
R_{YB}	0, 109, 2
Decimal	7040256
CIE Lab	44.32, -12.49, 50.33
CIE LCh	44, 51.853, 103.938
Yxy	14.0631, 0.4163, 0.5077
Android (android.graphics.Color)	4285230336 (0xFF6B6D00)
YUV	95.9760, -47.3162, 9.6680
Hunter-Lab	37.5008, -10.7383, 22.9222

Details

The Yxy color **14.0631, 0.4163, 0.5077** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1172, 0.1511, 0.0606**, and the grayscale version is **11.8023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1599, 0.3999, 0.4684**, and **4.2860, 0.4045, 0.5170** is the 20% darker color. If you saturate the color by 10%, you get **14.0639, 0.4163, 0.5077**, and if you desaturate by 10%, it is **14.1003, 0.4128, 0.5011**.

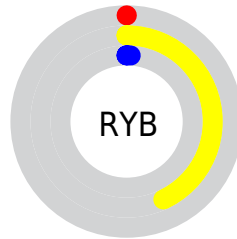
Distribution



Red (42%)

Green (43%)

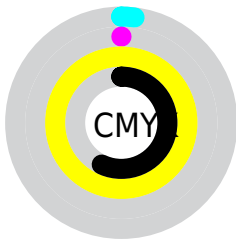
Blue (0%)



Red (0%)

Yellow (43%)

Blue (1%)

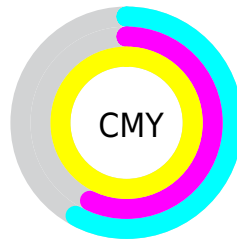


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (58%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0631, 0.4163, 0.5077 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 14.0631, 0.4163, 0.5077 by changing the saturation by 10% instead.


 14.0631, 0.4163,
0.5077


 14.0631, 0.4163,
0.5077


 217.6230, 0.3635,
0.4055


 8.1646, 0.4251,
0.5344


 33.2009, 0.3992,
0.4690


 4.2004, 0.4318,
0.5682

 47.2090, 0.3919,
0.4546


 1.7863, 0.4129,
0.5871

 64.6891, 0.3854,
0.4428

 0.4786, 0.2386,
0.7614


 86.0256, 0.3798,
0.4328


 0.0000, 0.0000,
0.0000


 111.6028, 0.3749,
0.4244


 141.8052, 0.3706,


0.4171


 177.0171, 0.3668,
0.4109


 14.0631, 0.4163,
0.5077


 14.0631, 0.4163,
0.5077

 14.0639, 0.4163,
0.5077

 14.1003, 0.4128,
0.5011

 14.1460, 0.4080,
0.4924

 14.2095, 0.4009,
0.4798

 14.2928, 0.3916,
0.4635

 14.3976, 0.3805,
0.4442

■ 14.5255, 0.3679,
0.4226

■ 14.6779, 0.3544,
0.3996

■ 14.8560, 0.3404,
0.3758

■ 15.0610, 0.3264,
0.3521

Harmonies

Analogous

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



14.0631, 0.4918, 0.4404



14.0631, 0.4163, 0.5077



14.0631, 0.3209, 0.5278

Triad

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



14.0631, 0.4163, 0.5077



14.0631, 0.1404, 0.2352



14.0631, 0.3818, 0.2374

Complementary

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



14.0631, 0.4163, 0.5077



1.1172, 0.1511, 0.0606

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.



14.0631, 0.2731, 0.1947



14.0631, 0.4163, 0.5077



14.0631, 0.1505, 0.1878

Square

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



14.0631, 0.4163, 0.5077



14.0631, 0.1646, 0.3302



14.0631, 0.1936, 0.1769



14.0631, 0.4813, 0.2978

Rectangle

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



14.0631, 0.4163, 0.5077



14.0631, 0.2571, 0.4892



14.0631, 0.1936, 0.1769



14.0631, 0.3439, 0.2207

Sweetspot

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



14.0639, 0.4163, 0.5077



26.2559, 0.3555, 0.4015



3.2910, 0.6378, 0.3318



6.0892, 0.3598, 0.4088



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



14.0639, 0.4163, 0.5077



25.1748, 0.4162, 0.5077



11.6868, 0.3376, 0.5701



3.5808, 0.3249, 0.3496



16.4467, 0.4163, 0.5077



83.7588, 0.4161, 0.5078

Inverse Universe

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



1.1172, 0.1511, 0.0606



1.9941, 0.1508, 0.0604



1.9542, 0.2102, 0.0932



3.0276, 0.3000, 0.3075



1.3054, 0.1510, 0.0605



6.6095, 0.1504, 0.0602

Previews

White Background



This preview shows how the Yxy color 14.0631, 0.4163, 0.5077 looks on a white background.

Color Contrast Check

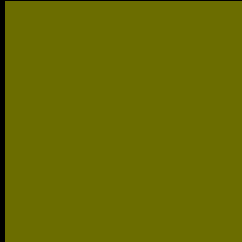
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 14.0631, 0.4163, 0.5077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

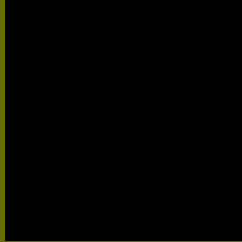
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0631, 0.4163, 0.5077

Background



This preview shows how black text looks on a background with the Yxy color 14.0631, 0.4163, 0.5077.



This preview shows how white text looks on a background with the Yxy color 14.0631, 0.4163, 0.5077.

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

14.0631, 0.4163, 0.5077

Protanopia

13.9547, 0.4392, 0.4894

Deuteranopia

13.8697, 0.4629, 0.4560



Tritanopia

13.9889, 0.3207, 0.3126

Trichromacy



Original Color

14.0631, 0.4163, 0.5077

Protanomaly

13.8855, 0.4316, 0.4955

Deuteranomaly

13.9356, 0.4459, 0.4751

Tritanomaly

13.7098, 0.3711, 0.4044

Monochromacy



Original Color

14.0631, 0.4163, 0.5077

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.3536, 0.3665, 0.4211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0631, 0.4163, 0.5077 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(107, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 109, 0)  
}
```

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(107, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.0631, 0.4163, 0.5077 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(107, 109, 0) }
```

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

```
.border{ border-color:rgb(107, 109, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 109,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0631, 0.4163, 0.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 109, 0) }
```

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

```
.background{ background-color: rgb(107,  
109, 0) }
```

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