

Converting Colors

$Y_{xy}(14.0788, 0.4577, 0.5399)$

Have a look what the booklet for
Yxy(14.0788, 0.4577, 0.5399)
contains.

Yxy(14.1602, 0.4315, 0.4956)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.1602, 0.4315, 0.4956)

Conversions

Conversions Part 1

Format	Color
Hex	736B00
RGB	115, 107, 0
RGB Percent	45%, 42%, 0%
CMY	0.5490, 0.5804, 1.0000
CMYK	0.00, 0.07, 1.00, 0.55
HSL	56°, 100%, 23%
HSV	56°, 100%, 45%
XYZ	12.3287, 14.1602, 2.0829
YIQ	97.1940, 39.1150, -31.5810

Conversions

Conversions Part 2

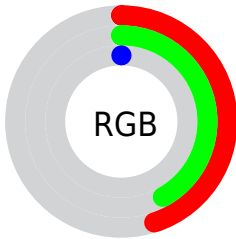
Format	Color
R_{YB}	9, 115, 0
Decimal	7564032
CIE Lab	44.46, -7.51, 50.76
CIE LCh	44, 51.308, 98.415
Yxy	14.1602, 0.4315, 0.4956
Android (android.graphics.Color)	4285754112 (0xFF736B00)
YUV	97.1940, -47.9166, 15.6159
Hunter-Lab	37.6300, -7.3705, 23.0592

Details

The Yxy color **14.1602, 0.4315, 0.4956** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4119, 0.1521, 0.0675**, and the grayscale version is **12.1180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3367, 0.4102, 0.4613**, and **4.2885, 0.4268, 0.4993** is the 20% darker color. If you saturate the color by 10%, you get **14.1609, 0.4315, 0.4956**, and if you desaturate by 10%, it is **14.3540, 0.4262, 0.4903**.

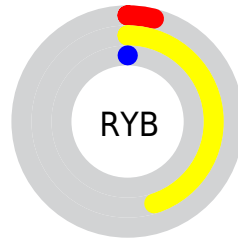
Distribution



Red (45%)

Green (42%)

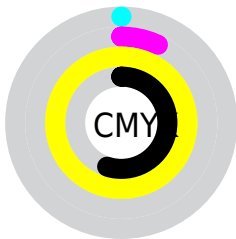
Blue (0%)



Red (4%)

Yellow (45%)

Blue (0%)

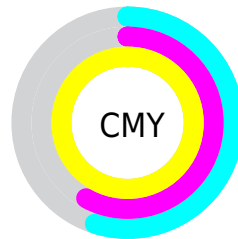


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1602, 0.4315, 0.4956 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 14.1602, 0.4315, 0.4956 by changing the saturation by 10% instead.


 14.1602, 0.4315,
0.4956


 14.1602, 0.4315,
0.4956


 218.2252, 0.3694,
0.4025

 8.2322, 0.4435,
0.5184


 33.3730, 0.4106,
0.4613


 4.2439, 0.4544,
0.5456

 47.4266, 0.4019,
0.4483


 1.8109, 0.4434,
0.5566

 64.9575, 0.3944,
0.4373

 0.4939, 0.3668,
0.6332


 86.3500, 0.3879,
0.4281


 0.0000, 0.0000,
0.0000


 111.9887, 0.3823,
0.4202


 142.2578, 0.3775,

0.4135


 177.5419, 0.3732,
0.4076

 14.1602, 0.4315,
0.4956


 14.1602, 0.4315,
0.4956


 14.1609, 0.4315,
0.4956

 14.3540, 0.4262,
0.4903

 14.5599, 0.4194,
0.4827

 14.7873, 0.4102,
0.4710

 15.0386, 0.3989,
0.4558

 15.3158, 0.3859,
0.4375

■ 15.6206, 0.3716,
0.4171

■ 15.9547, 0.3568,
0.3953

■ 16.3196, 0.3417,
0.3729

■ 16.7166, 0.3269,
0.3506

Harmonies

Analogous

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



14.1602, 0.4997, 0.4263



14.1602, 0.4315, 0.4956



14.1602, 0.3391, 0.5277

Triad

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



14.1602, 0.4315, 0.4956



14.1602, 0.1438, 0.2500



14.1602, 0.3603, 0.2290

Complementary

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



14.1602, 0.4315, 0.4956



1.4119, 0.1521, 0.0675

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.



14.1602, 0.2564, 0.1908



14.1602, 0.4315, 0.4956



14.1602, 0.1478, 0.1949

Square

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



14.1602, 0.4315, 0.4956



14.1602, 0.1749, 0.3524



14.1602, 0.1844, 0.1781



14.1602, 0.4643, 0.2864

Rectangle

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



14.1602, 0.4315, 0.4956



14.1602, 0.2749, 0.5017



14.1602, 0.1844, 0.1781



14.1602, 0.3234, 0.2137

Sweetspot

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



14.1609, 0.4315, 0.4956



28.5163, 0.3579, 0.3970



3.6664, 0.6250, 0.3217



6.7541, 0.3629, 0.4044



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.1609, 0.4315, 0.4956



25.2752, 0.4318, 0.4953



13.4599, 0.3512, 0.5593



4.2247, 0.3256, 0.3486



16.1737, 0.4316, 0.4955



78.2997, 0.4323, 0.4950

Inverse Universe

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



1.4119, 0.1521, 0.0675



2.4440, 0.1515, 0.0655



1.8645, 0.1913, 0.0828



3.6271, 0.2995, 0.3087



1.6001, 0.1520, 0.0670



7.3093, 0.1509, 0.0632

Previews

White Background



This preview shows how the Yxy color 14.1602, 0.4315, 0.4956 looks on a white background.

Color Contrast Check

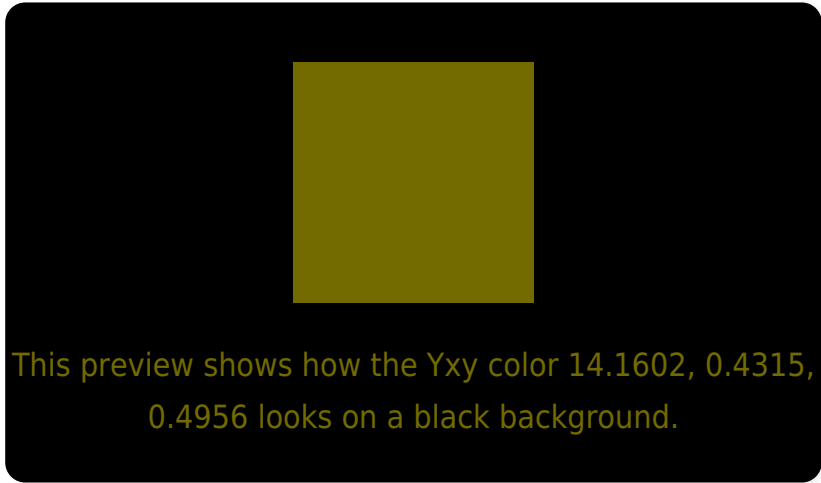
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.1602, 0.4315, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 14.1602, 0.4315, 0.4956.



This preview shows how white text looks on a background with the Yxy color 14.1602, 0.4315, 0.4956.

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

14.1602, 0.4315, 0.4956

Protanopia

14.2300, 0.4391, 0.4896

Deuteranopia

14.1354, 0.4636, 0.4578



Tritanopia

14.1228, 0.3357, 0.3131

Trichromacy



Original Color

14.1602, 0.4315, 0.4956

Protanomaly

14.1596, 0.4376, 0.4908

Deuteranomaly

14.1580, 0.4507, 0.4723

Tritanomaly

13.8420, 0.3865, 0.3992

Monochromacy



Original Color

14.1602, 0.4315, 0.4956

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.5982, 0.3716, 0.4168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1602, 0.4315, 0.4956 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(115, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 107, 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(115, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.1602, 0.4315, 0.4956 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(115, 107, 0) }
```

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

```
.border{ border-color:rgb(115, 107, 0) }
```

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

Here you see how a box with a 4 pixel rgb(115, 107, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 107,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 14.1602, 0.4315, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 107, 0) }
```

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

```
.background{ background-color: rgb(115,  
107, 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