

Converting Colors

$Y_{xy}(14.2942, 0.4368, 0.4815)$

Have a look what the booklet for
Yxy(14.2942, 0.4368, 0.4815)
contains.

Yxy(14.3277, 0.4362, 0.4820)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.3277, 0.4362, 0.4820)

Conversions

Conversions Part 1

Format	Color
Hex	786A0C
RGB	120, 106, 12
RGB Percent	47%, 42%, 5%
CMY	0.5294, 0.5843, 0.9527
CMYK	0.00, 0.12, 0.90, 0.53
HSL	52°, 82%, 26%
HSV	52°, 90%, 47%
XYZ	12.9663, 14.3277, 2.4315
YIQ	99.4700, 38.5180, -26.2660

Conversions

Conversions Part 2

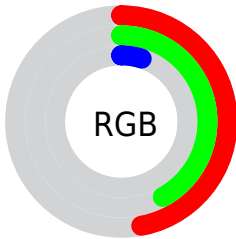
Format	Color
R_{YB}	28, 120, 12
Decimal	7891468
CIE Lab	44.70, -4.24, 48.33
CIE LCh	45, 48.519, 95.016
Yxy	14.3277, 0.4362, 0.4820
Android (android.graphics.Color)	4286081548 (0xFF786A0C)
YUV	99.4700, -43.1227, 18.0048
Hunter-Lab	37.8519, -5.0953, 22.6877

Details

The Yxy color **14.3277, 0.4362, 0.4820** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.1756, 0.1626, 0.0904**, and the grayscale version is **12.7083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6331, 0.4124, 0.4511**, and **4.3569, 0.4417, 0.4875** is the 20% darker color. If you saturate the color by 10%, you get **13.9840, 0.4431, 0.4863**, and if you desaturate by 10%, it is **14.6915, 0.4277, 0.4751**.

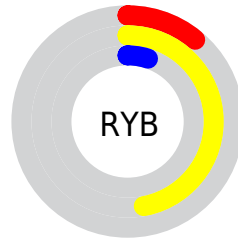
Distribution



Red (47%)

Green (42%)

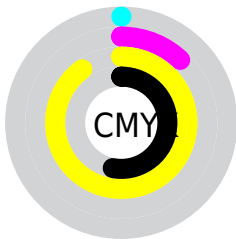
Blue (5%)



Red (11%)

Yellow (47%)

Blue (5%)

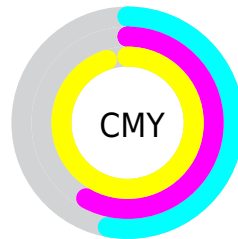


Cyan (0%)

Magenta (12%)

Yellow (90%)

Black (53%)



Cyan (53%)


Magenta (58%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3277, 0.4362, 0.4820 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 14.3277, 0.4362, 0.4820 by changing the saturation by 10% instead.


 14.3277, 0.4362,
0.4820


 14.3277, 0.4362,
0.4820


219.2600, 0.3699,
0.3970


 8.3489, 0.4498,
0.5019


 33.6694, 0.4129,
0.4507


 4.3190, 0.4690,
0.5310

 47.8010, 0.4036,
0.4388

 1.8536, 0.4629,
0.5371

 65.4192, 0.3957,
0.4288

 0.5202, 0.4290,
0.5710

 86.9081, 0.3890,
0.4204

 0.0000, 0.0000,
0.0000

 112.6523, 0.3832,
0.4132


 143.0361, 0.3782,


0.4070

 178.4438, 0.3738,
0.4016

 14.3277, 0.4362,
0.4820


 14.3277, 0.4362,
0.4820


 13.9840, 0.4431,
0.4863

 14.6915, 0.4277,
0.4751

 13.9825, 0.4431,
0.4863

 15.0825, 0.4168,
0.4641

 15.5040, 0.4038,
0.4495

 15.9582, 0.3893,
0.4319

 16.4471, 0.3738,
0.4124

■ 16.9727, 0.3580,
0.3916

■ 17.5364, 0.3423,
0.3703

■ 18.1399, 0.3271,
0.3493

■ 18.7846, 0.3127,
0.3289

Harmonies

Analogous

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



14.3277, 0.4957, 0.4160



14.3277, 0.4362, 0.4820



14.3277, 0.3499, 0.5160

Triad

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



14.3277, 0.4362, 0.4820



14.3277, 0.1530, 0.2639



14.3277, 0.3461, 0.2285

Complementary

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



14.3277, 0.4362, 0.4820



2.1756, 0.1626, 0.0904

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.



14.3277, 0.2501, 0.1943



14.3277, 0.4362, 0.4820



14.3277, 0.1530, 0.2056

Square

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



14.3277, 0.4362, 0.4820



14.3277, 0.1879, 0.3647



14.3277, 0.1848, 0.1852



14.3277, 0.4462, 0.2823

Rectangle

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



14.3277, 0.4362, 0.4820



14.3277, 0.2883, 0.4974



14.3277, 0.1848, 0.1852



14.3277, 0.3117, 0.2145

Sweetspot

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



14.3284, 0.4362, 0.4820



30.0740, 0.3544, 0.3867



4.3338, 0.5840, 0.3136



7.0657, 0.3586, 0.3924



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.3284, 0.4362, 0.4820



24.4580, 0.4438, 0.4858



15.1831, 0.3609, 0.5412



4.5495, 0.3258, 0.3475



15.2402, 0.4432, 0.4863



71.8186, 0.4447, 0.4851

Inverse Universe

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



2.1756, 0.1626, 0.0904



2.8913, 0.1531, 0.0712



2.3407, 0.1951, 0.0928



3.9697, 0.2994, 0.3098



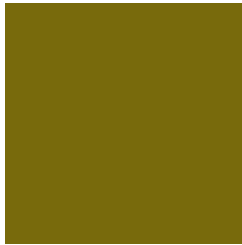
1.8559, 0.1537, 0.0734



8.1297, 0.1523, 0.0681

Previews

White Background



This preview shows how the Yxy color 14.3277, 0.4362, 0.4820 looks on a white background.

Color Contrast Check

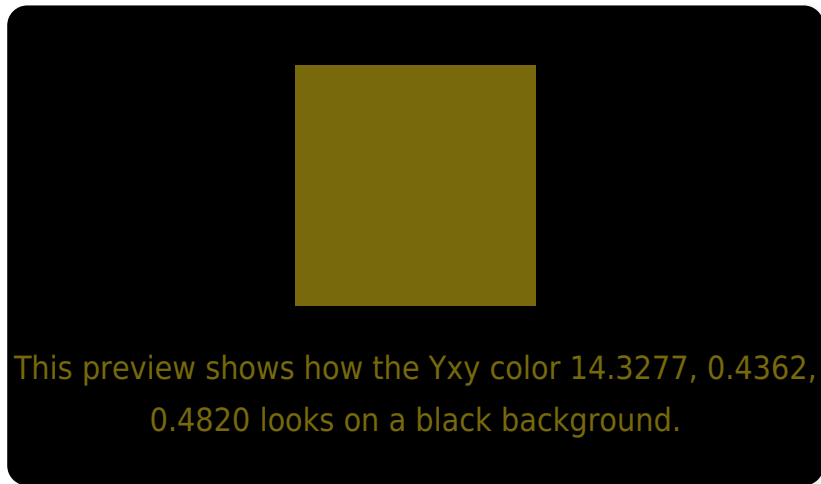
Large Text (above 18pt) WCAG AA ✓ Pass

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

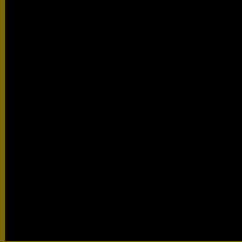
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3277, 0.4362, 0.4820

Background



This preview shows how black text looks on a background with the Yxy color 14.3277, 0.4362, 0.4820.



This preview shows how white text looks on a background with the Yxy color 14.3277, 0.4362, 0.4820.

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

14.3277, 0.4362, 0.4820

Protanopia

14.2566, 0.4347, 0.4831

Deuteranopia

14.2231, 0.4640, 0.4555



Tritanopia

14.3999, 0.3432, 0.3154

Trichromacy



Original Color

14.3277, 0.4362, 0.4820

Protanomaly

14.2566, 0.4347, 0.4831

Deuteranomaly

14.2044, 0.4546, 0.4649

Tritanomaly

14.2557, 0.3887, 0.3893

Monochromacy



Original Color

14.3277, 0.4362, 0.4820

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.0338, 0.3689, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3277, 0.4362, 0.4820 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(120, 106, 12)` looks like.

```
.text, #text, p{  
    color:rgb(120, 106, 12)  
}
```

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(120, 106, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 106, 12) }
```

Border

The CSS property to change the border of an element to Yxy 14.3277, 0.4362, 0.4820 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(120, 106, 12) }
```

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

```
.border{ border-color:rgb(120, 106, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 106, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 106, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 106, 12);  
box-shadow:4px 4px 4px 4px rgb(120, 106,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3277, 0.4362, 0.4820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 106, 12) }
```

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

```
.background{ background-color: rgb(120,  
106, 12) }
```

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