

Converting Colors

$Y_{xy}(32.8819, 0.3704, 0.5441)$

Have a look what the booklet for
Yxy(32.8819, 0.3704, 0.5441)
contains.

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Color

Yxy(32.8870, 0.3705, 0.5440)

Conversions

Conversions Part 1

Format	Color
Hex	7AAA00
RGB	122, 170, 0
RGB Percent	48%, 67%, 0%
CMY	0.5217, 0.3333, 0.9997
CMYK	0.28, 0.00, 1.00, 0.33
HSL	77°, 100%, 33%
HSV	77°, 100%, 67%
XYZ	22.3982, 32.8870, 5.1688
YIQ	136.2680, 25.9620, -63.0460

Conversions

Conversions Part 2

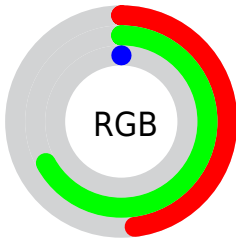
Format	Color
RYB	0, 170, 48
Decimal	8038912
CIELab	64.07, -36.29, 65.63
CIELCh	64, 74.998, 118.939
Yxy	32.8870, 0.3705, 0.5440
Android (android.graphics.Color)	4286228992 (0xFF7AAA00)
YUV	136.2680, -67.1801, -12.5130
Hunter-Lab	57.3472, -30.6404, 34.7991

Details

The Yxy color **32.8870, 0.3705, 0.5440** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.5350, 0.1687, 0.0703**, and the grayscale version is **24.9779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4844, 0.3672, 0.5031**, and **13.8808, 0.3483, 0.5616** is the 20% darker color. If you saturate the color by 10%, you get **32.8869, 0.3705, 0.5440**, and if you desaturate by 10%, it is **33.2884, 0.3728, 0.5350**.

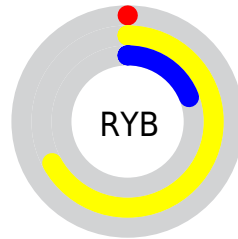
Distribution



Red (48%)

Green (67%)

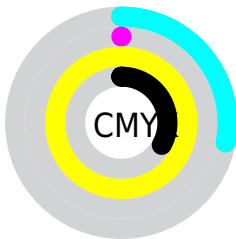
Blue (0%)



Red (0%)

Yellow (67%)

Blue (19%)

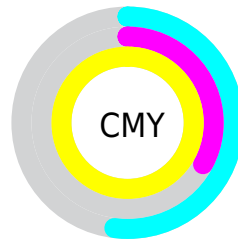


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (52%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8870, 0.3705, 0.5440 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 32.8870, 0.3705, 0.5440 by changing the saturation by 10% instead.

 32.8870, 0.3705,
0.5440


 32.8870, 0.3705,
0.5440


315.1402, 0.3510,
0.4301

 22.0399, 0.3697,
0.5711


 64.1991, 0.3671,
0.5027

 13.8862, 0.3648,
0.6037

 85.4328, 0.3646,
0.4870

 8.0416, 0.3536,
0.6464

 110.8976, 0.3620,
0.4737

 4.1216, 0.3190,
0.6810

 140.9777, 0.3595,
0.4623

 1.7418, 0.2545,
0.7455

 176.0577, 0.3571,
0.4526

 0.4505, 0.0000,
1.0000

 216.5218, 0.3549,

 0.0000, 0.0000,

0.4441

0.0000

262.7545, 0.3529,
0.4366

32.8870, 0.3705,
0.5440

32.8870, 0.3705,
0.5440

32.8869, 0.3705,
0.5440

33.2884, 0.3728,
0.5350

33.7407, 0.3732,
0.5222

34.2593, 0.3711,
0.5047

34.8508, 0.3667,
0.4833

35.5208, 0.3602,
0.4590

■ 36.2742, 0.3520,
0.4328

■ 37.1156, 0.3428,
0.4059

■ 38.0490, 0.3329,
0.3791

■ 39.0783, 0.3227,
0.3533

Harmonies

Analogous

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



32.8870, 0.4657, 0.4841



32.8870, 0.3705, 0.5440



32.8870, 0.2671, 0.5213

Triad

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



32.8870, 0.3705, 0.5440



32.8870, 0.1307, 0.1964



32.8870, 0.4469, 0.2607

Complementary

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



32.8870, 0.3705, 0.5440



3.5350, 0.1687, 0.0703

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.



32.8870, 0.3256, 0.2053



32.8870, 0.3705, 0.5440



32.8870, 0.1581, 0.1683

Square

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



32.8870, 0.3705, 0.5440



32.8870, 0.1365, 0.2704



32.8870, 0.2220, 0.1730



32.8870, 0.5274, 0.3291

Rectangle

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



32.8870, 0.3705, 0.5440



32.8870, 0.2061, 0.4453



32.8870, 0.2220, 0.1730



32.8870, 0.4077, 0.2402

Sweetspot

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



32.8885, 0.3705, 0.5440



67.2412, 0.3433, 0.4074



10.4535, 0.6029, 0.3594



14.8521, 0.3472, 0.4185



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.8885, 0.3705, 0.5440



59.5483, 0.3696, 0.5447



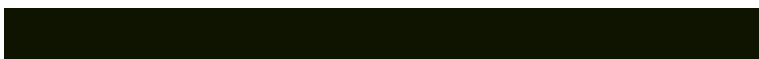
29.1984, 0.3093, 0.5926



8.6657, 0.3220, 0.3516



24.2184, 0.3710, 0.5436



0.6131, 0.3878, 0.5303

Inverse Universe

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



3.5350, 0.1687, 0.0703



6.3131, 0.1671, 0.0694



7.6781, 0.2628, 0.1222



7.3994, 0.3028, 0.3060



2.6231, 0.1696, 0.0708



0.0892, 0.2065, 0.0911

Previews

White Background



This preview shows how the Yxy color 32.8870, 0.3705, 0.5440 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 32.8870, 0.3705, 0.5440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

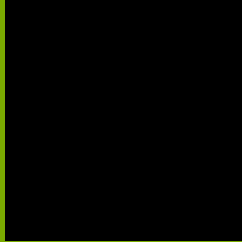
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8870, 0.3705, 0.5440

Background



This preview shows how black text looks on a background with the Yxy color 32.8870, 0.3705, 0.5440.



This preview shows how white text looks on a background with the Yxy color 32.8870, 0.3705, 0.5440.

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

32.8870, 0.3705, 0.5440

Protanopia

32.5566, 0.4408, 0.4882

Deuteranopia

32.5738, 0.4632, 0.4544



Tritanopia

32.7973, 0.2832, 0.3090

Trichromacy



Original Color

32.8870, 0.3705, 0.5440

Protanomaly

32.2095, 0.4150, 0.5087

Deuteranomaly

31.8180, 0.4298, 0.4884

Tritanomaly

31.8503, 0.3301, 0.4172

Monochromacy



Original Color

32.8870, 0.3705, 0.5440

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.6932, 0.3530, 0.4348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8870, 0.3705, 0.5440 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(122, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 170, 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(122, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 170, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.8870, 0.3705, 0.5440 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(122, 170, 0) }
```

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

```
.border{ border-color:rgb(122, 170, 0) }
```

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

Here you see how a box with a 4 pixel rgb(122, 170, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 170,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8870, 0.3705, 0.5440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 170, 0) }
```

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

```
.background{ background-color: rgb(122,  
170, 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](#).

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