

Converting Colors

$Y_{xy}(32.7358, 0.3634, 0.5496)$

Have a look what the booklet for
Yxy(32.7358, 0.3634, 0.5496)
contains.

Yxy(32.7707, 0.3630, 0.5499)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.7707, 0.3630, 0.5499)

Conversions

Conversions Part 1

Format	Color
Hex	73AB00
RGB	115, 171, 0
RGB Percent	45%, 67%, 0%
CMY	0.5491, 0.3294, 0.9992
CMYK	0.33, 0.00, 1.00, 0.33
HSL	80°, 100%, 34%
HSV	80°, 100%, 67%
XYZ	21.6326, 32.7707, 5.1906
YIQ	134.7620, 21.5150, -65.0530

Conversions

Conversions Part 2

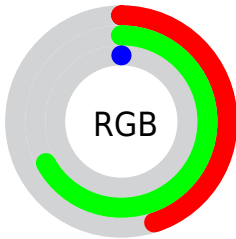
Format	Color
RYB	0, 171, 56
Decimal	7580416
CIELab	63.97, -39.44, 65.37
CIELCh	64, 76.347, 121.106
Yxy	32.7707, 0.3630, 0.5499
Android (android.graphics.Color)	4285770496 (0xFF73AB00)
YUV	134.7620, -66.4377, -17.3313
Hunter-Lab	57.2457, -32.7266, 34.6960

Details

The Yxy color **32.7707, 0.3630, 0.5499** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.7922, 0.1744, 0.0735**, and the grayscale version is **24.3889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2168, 0.3614, 0.5072**, and **13.8564, 0.3381, 0.5697** is the 20% darker color. If you saturate the color by 10%, you get **32.7672, 0.3630, 0.5500**, and if you desaturate by 10%, it is **33.2050, 0.3660, 0.5402**.

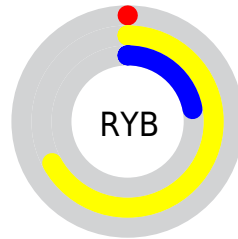
Distribution



Red (45%)

Green (67%)

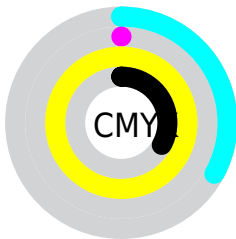
Blue (0%)



Red (0%)

Yellow (67%)

Blue (22%)

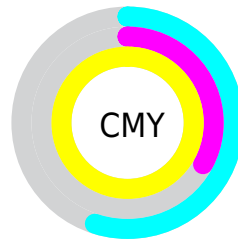


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (55%)

Magenta (33%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7707, 0.3630, 0.5499 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 32.7707, 0.3630, 0.5499 by changing the saturation by 10% instead.

 32.7707, 0.3630,
0.5499


 32.7707, 0.3630,
0.5499


 314.6152, 0.3477,
0.4318

 21.9508, 0.3610,
0.5784


 64.0174, 0.3612,
0.5068

 13.8208, 0.3546,
0.6130


 85.2130, 0.3592,
0.4905


 7.9961, 0.3413,
0.6587


 110.6359, 0.3572,
0.4767

 4.0925, 0.3035,
0.6965

 140.6707, 0.3551,
0.4650

 1.7254, 0.2273,
0.7727

 175.7016, 0.3530,
0.4549


 0.4400, 0.0000,
1.0000

 216.1131, 0.3511,

 0.0000, 0.0000,

0.4462

0.0000


 262.2895, 0.3493,
0.4386


 32.7707, 0.3630,
0.5499


 32.7707, 0.3630,
0.5499

 32.7672, 0.3630,
0.5500

 33.2050, 0.3660,
0.5402

 33.6968, 0.3671,
0.5265

 34.2617, 0.3657,
0.5081

 34.9066, 0.3620,
0.4858

 35.6373, 0.3563,
0.4606

■ 36.4588, 0.3489,
0.4337

■ 37.3759, 0.3405,
0.4063

■ 38.3929, 0.3313,
0.3792

■ 39.5138, 0.3219,
0.3532

Harmonies

Analogous

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



32.7707, 0.4611, 0.4914



32.7707, 0.3630, 0.5499



32.7707, 0.2585, 0.5193

Triad

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



32.7707, 0.3630, 0.5499



32.7707, 0.1291, 0.1908



32.7707, 0.4574, 0.2641

Complementary

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



32.7707, 0.3630, 0.5499



3.7922, 0.1744, 0.0735

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.



32.7707, 0.3345, 0.2068



32.7707, 0.3630, 0.5499



32.7707, 0.1592, 0.1654

Square

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



32.7707, 0.3630, 0.5499



32.7707, 0.1324, 0.2617



32.7707, 0.2267, 0.1723



32.7707, 0.5340, 0.3337

Rectangle

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



32.7707, 0.3630, 0.5499



32.7707, 0.1982, 0.4375



32.7707, 0.2267, 0.1723



32.7707, 0.4183, 0.2431

Sweetspot

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



32.7721, 0.3630, 0.5499



66.8216, 0.3410, 0.4080



11.3245, 0.5907, 0.3690



14.7479, 0.3446, 0.4193



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.



32.7721, 0.3630, 0.5499



58.5606, 0.3620, 0.5508



29.4277, 0.3062, 0.5950



9.1966, 0.3214, 0.3517



24.7293, 0.3635, 0.5496



0.7160, 0.3811, 0.5356

Inverse Universe

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



3.7922, 0.1744, 0.0735



6.6731, 0.1727, 0.0725



8.4936, 0.2752, 0.1290



7.8800, 0.3035, 0.3059



2.8781, 0.1752, 0.0739



0.1102, 0.2114, 0.0938

Previews

White Background



This preview shows how the Yxy color 32.7707, 0.3630, 0.5499 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 32.7707, 0.3630, 0.5499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

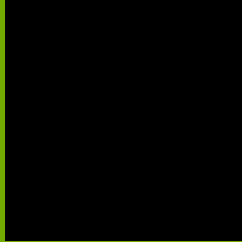
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7707, 0.3630, 0.5499

Background



This preview shows how black text looks on a background with the Yxy color 32.7707, 0.3630, 0.5499.



This preview shows how white text looks on a background with the Yxy color 32.7707, 0.3630, 0.5499.

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

32.7707, 0.3630, 0.5499

Protanopia

32.4414, 0.4398, 0.4890

Deuteranopia

32.2697, 0.4640, 0.4529



Tritanopia

32.6804, 0.2774, 0.3088

Trichromacy



Original Color

32.7707, 0.3630, 0.5499

Protanomaly

32.2620, 0.4108, 0.5120

Deuteranomaly

31.6038, 0.4274, 0.4897

Tritanomaly

31.7558, 0.3232, 0.4186

Monochromacy



Original Color

32.7707, 0.3630, 0.5499

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.4409, 0.3505, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7707, 0.3630, 0.5499 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, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 171, 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, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.7707, 0.3630, 0.5499 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, 171, 0) }
```

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

```
.border{ border-color:rgb(115, 171, 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, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 171,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7707, 0.3630, 0.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 171, 0) }
```

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

```
.background{ background-color: rgb(115,  
171, 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