

Converting Colors

$Y_{xy}(32.7788, 0.3788, 0.5374)$

Have a look what the booklet for
Yxy(32.7788, 0.3788, 0.5374)
contains.

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Color

Yxy(32.6724, 0.3791, 0.5372)

Conversions

Conversions Part 1

Format	Color
Hex	81A800
RGB	129, 168, 0
RGB Percent	51%, 66%, 0%
CMY	0.4941, 0.3412, 1.0000
CMYK	0.23, 0.00, 1.00, 0.34
HSL	74°, 100%, 33%
HSV	74°, 100%, 66%
XYZ	23.0568, 32.6724, 5.0906
YIQ	137.1870, 30.6840, -60.5160

Conversions

Conversions Part 2

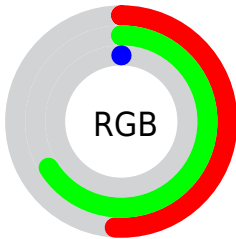
Format	Color
RYB	0, 168, 39
Decimal	8497152
CIELab	63.89, -32.54, 65.70
CIELCh	64, 73.316, 116.348
Yxy	32.6724, 0.3791, 0.5372
Android (android.graphics.Color)	4286687232 (0xFF81A800)
YUV	137.1870, -67.6332, -7.1800
Hunter-Lab	57.1598, -28.0273, 34.7315

Details

The Yxy color **32.6724, 0.3791, 0.5372** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.2585, 0.1632, 0.0673**, and the grayscale version is **25.3446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7225, 0.3741, 0.4976**, and **13.9466, 0.3595, 0.5528** is the 20% darker color. If you saturate the color by 10%, you get **32.6739, 0.3791, 0.5372**, and if you desaturate by 10%, it is **33.0250, 0.3806, 0.5290**.

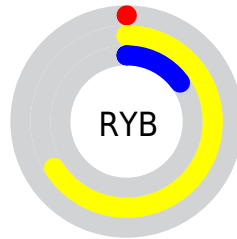
Distribution



Red (51%)

Green (66%)

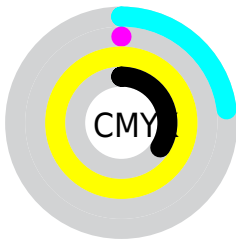
Blue (0%)



Red (0%)

Yellow (66%)

Blue (15%)

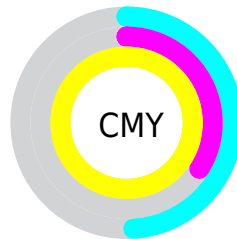


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (49%)


Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6724, 0.3791, 0.5372 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 32.6724, 0.3791, 0.5372 by changing the saturation by 10% instead.


 32.6724, 0.3791,
0.5372


 32.6724, 0.3791,
0.5372


314.1710, 0.3548,
0.4278

 21.8756, 0.3796,
0.5627


 63.8637, 0.3738,
0.4979


 13.7655, 0.3765,
0.5934


 85.0270, 0.3707,
0.4828


 7.9578, 0.3675,
0.6325


 110.4147, 0.3675,
0.4700

 4.0679, 0.3362,
0.6638

 140.4110, 0.3646,
0.4591

 1.7116, 0.2806,
0.7194

 175.4003, 0.3618,
0.4496

 0.4312, 0.0000,
1.0000

 215.7672, 0.3593,

 0.0000, 0.0000,

0.4414

0.0000

261.8960, 0.3569,
0.4342

32.6724, 0.3791,
0.5372

32.6724, 0.3791,
0.5372

32.6739, 0.3791,
0.5372

33.0250, 0.3806,
0.5290

33.4214, 0.3802,
0.5171

33.8769, 0.3772,
0.5007

34.3978, 0.3719,
0.4804

34.9893, 0.3645,
0.4570

■ 35.6563, 0.3555,
0.4316

■ 36.4030, 0.3453,
0.4052

■ 37.2331, 0.3345,
0.3789

■ 38.1505, 0.3236,
0.3533

Harmonies

Analogous

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



32.6724, 0.4708, 0.4758



32.6724, 0.3791, 0.5372



32.6724, 0.2770, 0.5233

Triad

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



32.6724, 0.3791, 0.5372



32.6724, 0.1324, 0.2031



32.6724, 0.4347, 0.2566

Complementary

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



32.6724, 0.3791, 0.5372



3.2585, 0.1632, 0.0673

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.



32.6724, 0.3155, 0.2035



32.6724, 0.3791, 0.5372



32.6724, 0.1567, 0.1718

Square

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



32.6724, 0.3791, 0.5372



32.6724, 0.1414, 0.2808



32.6724, 0.2166, 0.1738



32.6724, 0.5194, 0.3236

Rectangle

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



32.6724, 0.3791, 0.5372



32.6724, 0.2153, 0.4541



32.6724, 0.2166, 0.1738



32.6724, 0.3956, 0.2368

Sweetspot

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



32.6739, 0.3791, 0.5372



65.9781, 0.3459, 0.4067



9.6112, 0.6134, 0.3511



14.2581, 0.3501, 0.4174



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.6739, 0.3791, 0.5372



59.1885, 0.3784, 0.5378



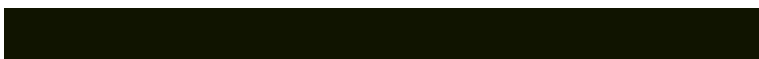
28.6248, 0.3131, 0.5896



8.6848, 0.3228, 0.3516



24.6972, 0.3795, 0.5369



0.6218, 0.3935, 0.5258

Inverse Universe

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



3.2585, 0.1632, 0.0673



5.8315, 0.1619, 0.0666



6.8491, 0.2507, 0.1155



7.3814, 0.3021, 0.3059



2.4806, 0.1640, 0.0677



0.0825, 0.1974, 0.0861

Previews

White Background



This preview shows how the Yxy color 32.6724, 0.3791, 0.5372 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 32.6724, 0.3791, 0.5372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

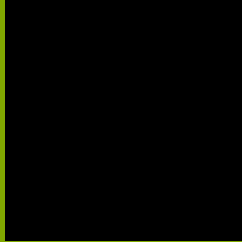
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6724, 0.3791, 0.5372

Background



This preview shows how black text looks on a background with the Yxy color 32.6724, 0.3791, 0.5372.

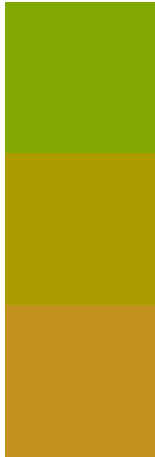


This preview shows how white text looks on a background with the Yxy color 32.6724, 0.3791, 0.5372.

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

32.6724, 0.3791, 0.5372

Protanopia

32.4414, 0.4398, 0.4890

Deuteranopia

32.2588, 0.4648, 0.4539



Tritanopia

32.5708, 0.2900, 0.3092

Trichromacy



Original Color

32.6724, 0.3791, 0.5372

Protanomaly

32.4107, 0.4172, 0.5070

Deuteranomaly

31.8196, 0.4341, 0.4851

Tritanomaly

31.7133, 0.3385, 0.4141

Monochromacy



Original Color

32.6724, 0.3791, 0.5372

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.9363, 0.3564, 0.4336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6724, 0.3791, 0.5372 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(129, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 168, 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(129, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.6724, 0.3791, 0.5372 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(129, 168, 0) }
```

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

```
.border{ border-color:rgb(129, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6724, 0.3791, 0.5372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 168, 0) }
```

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

```
.background{ background-color: rgb(129,  
168, 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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