

Converting Colors

$Y_{xy}(32.4035, 0.3673, 0.5269)$

Have a look what the booklet for
Yxy(32.4035, 0.3673, 0.5269)
contains.

Yxy(32.4002, 0.3674, 0.5269)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.4002, 0.3674, 0.5269)

Conversions

Conversions Part 1

Format	Color
Hex	7CA821
RGB	124, 168, 33
RGB Percent	49%, 66%, 13%
CMY	0.5136, 0.3412, 0.8707
CMYK	0.26, 0.00, 0.80, 0.34
HSL	80°, 67%, 39%
HSV	80°, 80%, 66%
XYZ	22.5922, 32.4002, 6.4997
YIQ	139.4540, 17.1110, -51.3130

Conversions

Conversions Part 2

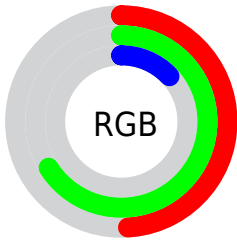
Format	Color
RYB	33, 168, 77
Decimal	8169505
CIELab	63.67, -33.69, 59.20
CIELCh	64, 68.116, 119.643
Yxy	32.4002, 0.3674, 0.5269
Android (android.graphics.Color)	4286359585 (0xFF7CA821)
YUV	139.4540, -52.4818, -13.5532
Hunter-Lab	56.9212, -28.7648, 33.0746

Details

The Yxy color **32.4002, 0.3674, 0.5269** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.4889, 0.1986, 0.1022**, and the grayscale version is **26.2068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2168, 0.3629, 0.4875**, and **13.7560, 0.3529, 0.5580** is the 20% darker color. If you saturate the color by 10%, you get **31.9334, 0.3662, 0.5403**, and if you desaturate by 10%, it is **32.9394, 0.3661, 0.5088**.

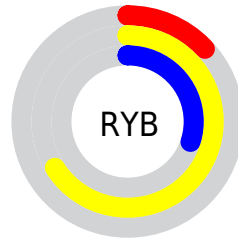
Distribution



Red (49%)

Green (66%)

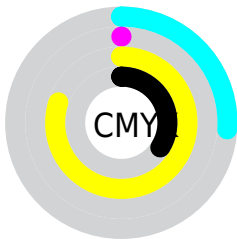
Blue (13%)



Red (13%)

Yellow (66%)

Blue (30%)

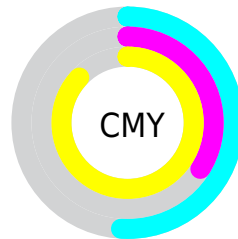


Cyan (26%)

Magenta (0%)

Yellow (80%)

Black (34%)



Cyan (51%)


Magenta (34%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4002, 0.3674, 0.5269 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 32.4002, 0.3674, 0.5269 by changing the saturation by 10% instead.


 32.4002, 0.3674,
0.5269


 32.4002, 0.3674,
0.5269


 312.9383, 0.3470,
0.4206


 21.6674, 0.3681,
0.5534


 63.4380, 0.3628,
0.4877

 13.6127, 0.3654,
0.5858


 84.5117, 0.3601,
0.4730


 7.8518, 0.3625,
0.6375

 109.8011, 0.3575,
0.4606

 4.0003, 0.3298,
0.6702

 139.6907, 0.3551,
0.4502

 1.6737, 0.2691,
0.7309

 174.5648, 0.3528,
0.4412

 0.4065, 0.0000,
1.0000

 214.8078, 0.3507,

 0.0000, 0.0000,

0.4334

0.0000

260.8042, 0.3488,
0.4266

■ 32.4002, 0.3674,
0.5269

■ 32.4002, 0.3674,
0.5269

■ 31.9334, 0.3662,
0.5403

■ 32.9394, 0.3661,
0.5088

■ 31.5348, 0.3634,
0.5496

■ 33.5533, 0.3625,
0.4867

■ 34.2489, 0.3567,
0.4616

■ 35.0311, 0.3494,
0.4348

■ 35.9045, 0.3410,
0.4075

■ 36.8730, 0.3318,
0.3804

■ 37.9407, 0.3224,
0.3544

■ 39.1109, 0.3131,
0.3299

■ 40.3873, 0.3040,
0.3072

Harmonies

Analogous

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



32.4002, 0.4557, 0.4777



32.4002, 0.3674, 0.5269



32.4002, 0.2707, 0.5001

Triad

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



32.4002, 0.3674, 0.5269



32.4002, 0.1424, 0.2057



32.4002, 0.4380, 0.2678

Complementary

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



32.4002, 0.3674, 0.5269



5.4889, 0.1986, 0.1022

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.



32.4002, 0.3279, 0.2148



32.4002, 0.3674, 0.5269



32.4002, 0.1694, 0.1788

Square

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



32.4002, 0.3674, 0.5269



32.4002, 0.1480, 0.2746



32.4002, 0.2310, 0.1835



32.4002, 0.5106, 0.3334

Rectangle

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



32.4002, 0.3674, 0.5269



32.4002, 0.2138, 0.4313



32.4002, 0.2310, 0.1835



32.4002, 0.4027, 0.2482

Sweetspot

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



32.4016, 0.3674, 0.5269



66.1765, 0.3356, 0.3913



13.5665, 0.5332, 0.3810



14.2937, 0.3387, 0.4006



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.



32.4016, 0.3674, 0.5269



57.3937, 0.3640, 0.5472



29.0058, 0.3126, 0.5665



8.6496, 0.3214, 0.3516



23.8428, 0.3640, 0.5492



0.6060, 0.3830, 0.5341

Inverse Universe

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



5.4889, 0.1986, 0.1022



6.9122, 0.1766, 0.0763



9.7749, 0.2846, 0.1466



7.4147, 0.3035, 0.3060



2.7673, 0.1751, 0.0738



0.0948, 0.2140, 0.0952

Previews

White Background



This preview shows how the Yxy color 32.4002, 0.3674, 0.5269 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 32.4002, 0.3674, 0.5269 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 32.4002, 0.3674, 0.5269

Background



This preview shows how black text looks on a background with the Yxy color 32.4002, 0.3674, 0.5269.



This preview shows how white text looks on a background with the Yxy color 32.4002, 0.3674, 0.5269.

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

32.4002, 0.3674, 0.5269

Protanopia

32.0841, 0.4335, 0.4794

Deuteranopia

32.0771, 0.4567, 0.4477



Tritanopia

32.1305, 0.2856, 0.3089

Trichromacy



Original Color

32.4002, 0.3674, 0.5269

Protanomaly

31.8586, 0.4085, 0.4977

Deuteranomaly

31.5892, 0.4236, 0.4765

Tritanomaly

31.5660, 0.3230, 0.3953

Monochromacy



Original Color

32.4002, 0.3674, 0.5269

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.8011, 0.3436, 0.4146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4002, 0.3674, 0.5269 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(124, 168, 33)` looks like.

```
.text, #text, p{  
    color:rgb(124, 168, 33)  
}
```

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(124, 168, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 168, 33) }
```

Border

The CSS property to change the border of an element to Yxy 32.4002, 0.3674, 0.5269 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(124, 168, 33) }
```

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

```
.border{ border-color:rgb(124, 168, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 168, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 168, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 168, 33);  
box-shadow:4px 4px 4px 4px rgb(124, 168,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4002, 0.3674, 0.5269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 168, 33) }
```

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

```
.background{ background-color: rgb(124,  
168, 33) }
```

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