

Converting Colors

$Y_{xy}(32.9115, 0.3680, 0.5477)$

Have a look what the booklet for
Yxy(32.9115, 0.3680, 0.5477)
contains.

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Color

Yxy(33.0478, 0.3669, 0.5469)

Conversions

Conversions Part 1

Format	Color
Hex	77AB00
RGB	119, 171, 0
RGB Percent	47%, 67%, 0%
CMY	0.5333, 0.3294, 1.0000
CMYK	0.30, 0.00, 1.00, 0.33
HSL	78°, 100%, 34%
HSV	78°, 100%, 67%
XYZ	22.1708, 33.0478, 5.2089
YIQ	135.9580, 23.8990, -64.2050

Conversions

Conversions Part 2

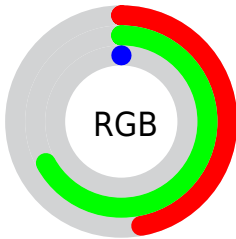
Format	Color
RYB	0, 171, 52
Decimal	7842560
CIELab	64.20, -37.90, 65.67
CIELCh	64, 75.823, 119.990
Yxy	33.0478, 0.3669, 0.5469
Android (android.graphics.Color)	4286032640 (0xFF77AB00)
YUV	135.9580, -67.0273, -14.8722
Hunter-Lab	57.4872, -31.7613, 34.8689

Details

The Yxy color **33.0478, 0.3669, 0.5469** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.6705, 0.1712, 0.0717**, and the grayscale version is **24.8544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6763, 0.3644, 0.5053**, and **14.0136, 0.3439, 0.5651** is the 20% darker color. If you saturate the color by 10%, you get **33.0493, 0.3669, 0.5469**, and if you desaturate by 10%, it is **33.4682, 0.3696, 0.5376**.

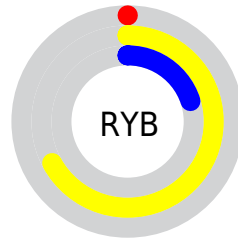
Distribution



Red (47%)

Green (67%)

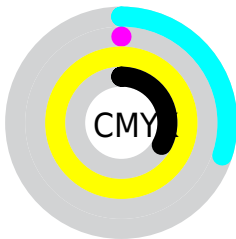
Blue (0%)



Red (0%)

Yellow (67%)

Blue (20%)

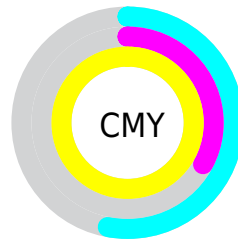


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0478, 0.3669, 0.5469 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 33.0478, 0.3669, 0.5469 by changing the saturation by 10% instead.


 33.0478, 0.3669,
0.5469


 33.0478, 0.3669,
0.5469


 315.8651, 0.3494,
0.4311

 22.1631, 0.3655,
0.5746


 64.4501, 0.3643,
0.5048


 13.9768, 0.3599,
0.6081


 85.7366, 0.3620,
0.4888

 8.1045, 0.3479,
0.6521


 111.2590, 0.3597,
0.4753

 4.1619, 0.3119,
0.6881

 141.4018, 0.3574,
0.4638

 1.7645, 0.2438,
0.7562

 176.5494, 0.3552,
0.4539

 0.4649, 0.0000,
1.0000

 217.0862, 0.3531,

 0.0000, 0.0000,

0.4453

0.0000

263.3967, 0.3512,
0.4377

33.0478, 0.3669,
0.5469

33.0478, 0.3669,
0.5469

33.0493, 0.3669,
0.5469

33.4682, 0.3696,
0.5376

33.9426, 0.3703,
0.5244

34.4869, 0.3686,
0.5065

35.1078, 0.3645,
0.4847

35.8111, 0.3584,
0.4600

■ 36.6018, 0.3506,
0.4335

■ 37.4846, 0.3417,
0.4063

■ 38.4636, 0.3322,
0.3794

■ 39.5428, 0.3224,
0.3535

Harmonies

Analogous

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



33.0478, 0.4635, 0.4876



33.0478, 0.3669, 0.5469



33.0478, 0.2629, 0.5204

Triad

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



33.0478, 0.3669, 0.5469



33.0478, 0.1299, 0.1937



33.0478, 0.4520, 0.2623

Complementary

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



33.0478, 0.3669, 0.5469



3.6705, 0.1712, 0.0717

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.



33.0478, 0.3299, 0.2060



33.0478, 0.3669, 0.5469



33.0478, 0.1586, 0.1669

Square

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



33.0478, 0.3669, 0.5469



33.0478, 0.1345, 0.2662



33.0478, 0.2242, 0.1726



33.0478, 0.5307, 0.3313

Rectangle

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



33.0478, 0.3669, 0.5469



33.0478, 0.2023, 0.4417



33.0478, 0.2242, 0.1726



33.0478, 0.4128, 0.2416

Sweetspot

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



33.0493, 0.3669, 0.5469



67.0418, 0.3422, 0.4077



11.0524, 0.5952, 0.3656



14.8025, 0.3460, 0.4189



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.



33.0493, 0.3669, 0.5469



59.0711, 0.3660, 0.5476



29.4707, 0.3071, 0.5943



9.2062, 0.3218, 0.3517



24.9417, 0.3674, 0.5465



0.7207, 0.3838, 0.5334

Inverse Universe

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



3.6705, 0.1712, 0.0717



6.4756, 0.1697, 0.0708



8.2421, 0.2710, 0.1267



7.8709, 0.3031, 0.3059



2.7916, 0.1721, 0.0722



0.1067, 0.2075, 0.0917

Previews

White Background



This preview shows how the Yxy color 33.0478, 0.3669, 0.5469 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 33.0478, 0.3669, 0.5469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

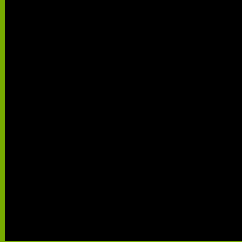
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0478, 0.3669, 0.5469

Background



This preview shows how black text looks on a background with the Yxy color 33.0478, 0.3669, 0.5469.



This preview shows how white text looks on a background with the Yxy color 33.0478, 0.3669, 0.5469.

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

33.0478, 0.3669, 0.5469

Protanopia

32.5566, 0.4408, 0.4882

Deuteranopia

32.5738, 0.4632, 0.4544



Tritanopia

33.0091, 0.2808, 0.3090

Trichromacy



Original Color

33.0478, 0.3669, 0.5469

Protanomaly

32.4583, 0.4129, 0.5103

Deuteranomaly

32.0429, 0.4276, 0.4902

Tritanomaly

32.0443, 0.3279, 0.4192

Monochromacy



Original Color

33.0478, 0.3669, 0.5469

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.9288, 0.3514, 0.4366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0478, 0.3669, 0.5469 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(119, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 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(119, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.0478, 0.3669, 0.5469 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(119, 171, 0) }
```

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

```
.border{ border-color:rgb(119, 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(119, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 171,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0478, 0.3669, 0.5469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 171, 0) }
```

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

```
.background{ background-color: rgb(119,  
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](#).

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