

Converting Colors

Yxy(33.1665, 0.3339, 0.4699)

Have a look what the booklet for
Yxy(33.1665, 0.3339, 0.4699)
contains.

Yxy(33.3273, 0.3340, 0.4712)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.3273, 0.3340, 0.4712)

Conversions

Conversions Part 1

Format	Color
Hex	77AA55
RGB	119, 170, 85
RGB Percent	47%, 67%, 33%
CMY	0.5333, 0.3333, 0.6667
CMYK	0.30, 0.00, 0.50, 0.33
HSL	96°, 33%, 50%
HSV	96°, 50%, 67%
XYZ	23.6233, 33.3273, 13.7779
YIQ	145.0610, -3.1110, -37.2470

Conversions

Conversions Part 2

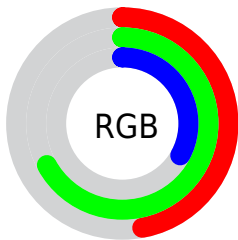
Format	Color
RYB	85, 170, 136
Decimal	7842389
CIELab	64.43, -32.29, 38.26
CIELCh	64, 50.062, 130.169
Yxy	33.3273, 0.3340, 0.4712
Android (android.graphics.Color)	4286032469 (0xFF77AA55)
YUV	145.0610, -29.6101, -22.8555
Hunter-Lab	57.7298, -27.9840, 26.2606

Details

The Yxy color **33.3273, 0.3340, 0.4712** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.6280, 0.2752, 0.1949**, and the grayscale version is **28.4665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0545, 0.3320, 0.4419**, and **14.0432, 0.3338, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **32.4071, 0.3355, 0.5010**, and if you desaturate by 10%, it is **34.3927, 0.3311, 0.4404**.

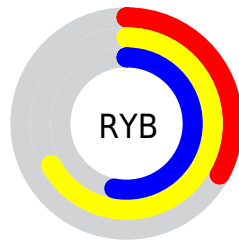
Distribution



Red (47%)

Green (67%)

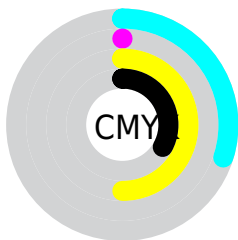
Blue (33%)



Red (33%)

Yellow (67%)

Blue (53%)

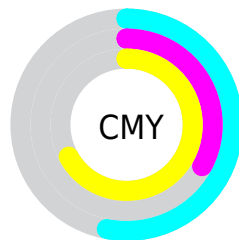


Cyan (30%)

Magenta (0%)

Yellow (50%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3273, 0.3340, 0.4712 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 33.3273, 0.3340, 0.4712 by changing the saturation by 10% instead.

 33.3273, 0.3340,
0.4712


 33.3273, 0.3340,
0.4712

317.1220, 0.3261,
0.3926


 22.3773, 0.3344,
0.4931


 64.8862, 0.3321,
0.4409


 14.1344, 0.3337,
0.5222


 86.2639, 0.3311,
0.4300

 8.2142, 0.3300,
0.5625


 111.8862, 0.3301,
0.4211

 4.2323, 0.3258,
0.6339

 142.1376, 0.3291,
0.4135

 1.8043, 0.2879,
0.7121

 177.4025, 0.3283,
0.4071

 0.4899, 0.0000,
1.0000

218.0653, 0.3275,

 0.0000, 0.0000,

0.4016

0.0000

264.5103, 0.3267,
0.3968

■ 33.3273, 0.3340,
0.4712

■ 33.3273, 0.3340,
0.4712

■ 32.4071, 0.3355,
0.5010

■ 34.3927, 0.3311,
0.4404

■ 31.6206, 0.3353,
0.5281

■ 35.6055, 0.3272,
0.4100

■ 30.9613, 0.3333,
0.5510

■ 36.9733, 0.3227,
0.3809

■ 30.4202, 0.3295,
0.5683

■ 38.5019, 0.3178,
0.3538

■ 29.9809, 0.3246,
0.5805

■ 40.1966, 0.3127,
0.3290

■ 42.0626, 0.3077,
0.3066

■ 44.1049, 0.3028,
0.2866

■ 46.3281, 0.2982,
0.2688

■ 48.7368, 0.2938,
0.2530

Harmonies

Analogous

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



33.3273, 0.4051, 0.4606



33.3273, 0.3340, 0.4712



33.3273, 0.2611, 0.4257

Triad

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



33.3273, 0.3340, 0.4712



33.3273, 0.1843, 0.2255



33.3273, 0.4279, 0.3021

Complementary

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



33.3273, 0.3340, 0.4712



14.6280, 0.2752, 0.1949

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.



33.3273, 0.3542, 0.2543



33.3273, 0.3340, 0.4712



33.3273, 0.2164, 0.2111

Square

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



33.3273, 0.3340, 0.4712



33.3273, 0.1804, 0.2696



33.3273, 0.2757, 0.2221



33.3273, 0.4659, 0.3581

Rectangle

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



33.3273, 0.3340, 0.4712



33.3273, 0.2215, 0.3721



33.3273, 0.2757, 0.2221



33.3273, 0.4059, 0.2849

Sweetspot

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



33.3287, 0.3340, 0.4712



68.3603, 0.3204, 0.3678



26.4119, 0.4094, 0.4032



15.1197, 0.3214, 0.3734



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.



33.3287, 0.3340, 0.4712



58.6330, 0.3356, 0.5041



31.4543, 0.3008, 0.4718



8.5488, 0.3174, 0.3519



22.0846, 0.3253, 0.5799



0.5672, 0.3534, 0.5576

Inverse Universe

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



14.6280, 0.2752, 0.1949



20.7542, 0.2639, 0.1660



17.6818, 0.3273, 0.2190



7.5146, 0.3076, 0.3063



4.2436, 0.2246, 0.1011



0.1318, 0.2571, 0.1190

Previews

White Background



This preview shows how the Yxy color 33.3273, 0.3340, 0.4712 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 33.3273, 0.3340, 0.4712 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 33.3273, 0.3340, 0.4712

Background



This preview shows how black text looks on a background with the Yxy color 33.3273, 0.3340, 0.4712.



This preview shows how white text looks on a background with the Yxy color 33.3273, 0.3340, 0.4712.

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

33.3273, 0.3340, 0.4712

Protanopia

33.1268, 0.4001, 0.4367

Deuteranopia

32.7368, 0.4158, 0.4072



Tritanopia

33.1453, 0.2776, 0.3089

Trichromacy



Original Color

33.3273, 0.3340, 0.4712

Protanomaly

32.8712, 0.3746, 0.4493

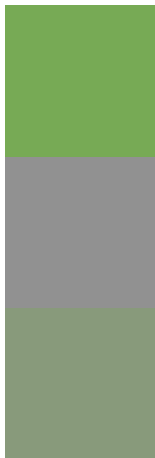
Deuteranomaly

32.3740, 0.3846, 0.4300

Tritanomaly

33.0632, 0.2991, 0.3665

Monochromacy



Original Color

33.3273, 0.3340, 0.4712

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.7755, 0.3233, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3273, 0.3340, 0.4712 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, 170, 85)` looks like.

```
.text, #text, p{  
    color:rgb(119, 170, 85)  
}
```

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, 170, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 170, 85) }
```

Border

The CSS property to change the border of an element to Yxy 33.3273, 0.3340, 0.4712 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, 170, 85) }
```

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

```
.border{ border-color:rgb(119, 170, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 170, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 170, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 170, 85);  
box-shadow:4px 4px 4px 4px rgb(119, 170,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3273, 0.3340, 0.4712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 170, 85) }
```

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

```
.background{ background-color: rgb(119,  
170, 85) }
```

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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