

Converting Colors

$Yxy(32.7899, 0.2899, 0.4124)$

Have a look what the booklet for
Yxy(32.7899, 0.2899, 0.4124)
contains.

Yxy(32.8072, 0.2902, 0.4133)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8072, 0.2902, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	63AA7A
RGB	99, 170, 122
RGB Percent	39%, 67%, 48%
CMY	0.6117, 0.3333, 0.5215
CMYK	0.42, 0.00, 0.28, 0.33
HSL	139°, 29%, 53%
HSV	139°, 42%, 67%
XYZ	23.0357, 32.8072, 23.5358
YIQ	143.2990, -26.9080, -29.9800

Conversions

Conversions Part 2

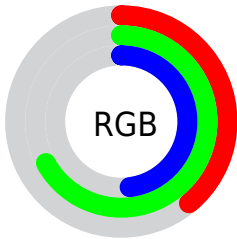
Format	Color
RYB	99, 153, 170
Decimal	6531706
CIELab	64.00, -33.11, 17.91
CIELCh	64, 37.642, 151.589
Yxy	32.8072, 0.2902, 0.4133
Android (android.graphics.Color)	4284721786 (0xFF63AA7A)
YUV	143.2990, -10.5004, -38.8502
Hunter-Lab	57.2776, -28.4473, 15.7316

Details

The Yxy color **32.8072, 0.2902, 0.4133** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.5807, 0.3467, 0.2580**, and the grayscale version is **27.6478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2602, 0.2954, 0.3948**, and **13.7845, 0.2805, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **31.6812, 0.2863, 0.4381**, and if you desaturate by 10%, it is **34.1712, 0.2950, 0.3900**.

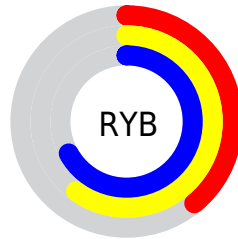
Distribution



Red (39%)

Green (67%)

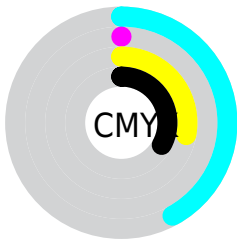
Blue (48%)



Red (39%)

Yellow (60%)

Blue (67%)

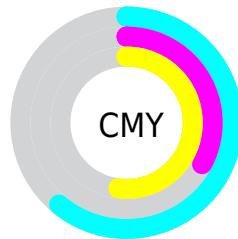


Cyan (42%)

Magenta (0%)

Yellow (28%)

Black (33%)



Cyan (61%)


Magenta (33%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8072, 0.2902, 0.4133 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 32.8072, 0.2902, 0.4133 by changing the saturation by 10% instead.


 32.8072, 0.2902,
0.4133


 32.8072, 0.2902,
0.4133


314.7801, 0.3032,
0.3665


 21.9788, 0.2862,
0.4268


 64.0744, 0.2954,
0.3950

 13.8413, 0.2806,
0.4453


 85.2820, 0.2972,
0.3886

 8.0104, 0.2721,
0.4722

 110.7181, 0.2987,
0.3833

 4.1016, 0.2580,
0.5146

 140.7671, 0.2999,
0.3788

 1.7306, 0.2350,
0.6111

175.8134, 0.3009,
0.3750

 0.4433, 0.0000,
1.0000

216.2414, 0.3018,

 0.0000, 0.0000,

0.3718

0.0000

262.4355, 0.3026,
0.3690

■ 32.8072, 0.2902,
0.4133

■ 32.8072, 0.2902,
0.4133

■ 31.6812, 0.2863,
0.4381

■ 34.1712, 0.2950,
0.3900

■ 30.7751, 0.2835,
0.4639

■ 35.7818, 0.3003,
0.3685

■ 30.0750, 0.2822,
0.4895


■ 37.6523, 0.3060,
0.3491


■ 29.5632, 0.2825,
0.5141


■ 39.7937, 0.3117,
0.3318

■ 29.2191, 0.2845,
0.5364

■ 42.2163, 0.3174,
0.3165

 29.0256, 0.2868,
0.5526

 44.9300, 0.3230,
0.3031

 47.9442, 0.3283,
0.2914

 51.2678, 0.3333,
0.2812

 54.9094, 0.3381,
0.2723

Harmonies

Analogous

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



32.8072, 0.3480, 0.4369



32.8072, 0.2902, 0.4133



32.8072, 0.2412, 0.3590

Triad

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



32.8072, 0.2902, 0.4133



32.8072, 0.2281, 0.2379



32.8072, 0.4241, 0.3417

Complementary

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



32.8072, 0.2902, 0.4133



19.5807, 0.3467, 0.2580

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.



32.8072, 0.3858, 0.2975



32.8072, 0.2902, 0.4133



32.8072, 0.2699, 0.2403

Square

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



32.8072, 0.2902, 0.4133



32.8072, 0.2084, 0.2573



32.8072, 0.3274, 0.2617



32.8072, 0.4281, 0.3869

Rectangle

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



32.8072, 0.2902, 0.4133



32.8072, 0.2195, 0.3184



32.8072, 0.3274, 0.2617



32.8072, 0.4147, 0.3265

Sweetspot

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



32.8086, 0.2902, 0.4133



67.7826, 0.3051, 0.3519



35.9019, 0.3512, 0.4385



14.9467, 0.3039, 0.3559



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.



32.8086, 0.2902, 0.4133



57.6398, 0.2866, 0.4360



33.8369, 0.2653, 0.3506



8.4463, 0.3074, 0.3446



21.3612, 0.2863, 0.5507



0.5290, 0.2671, 0.4814

Inverse Universe

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



19.5807, 0.3467, 0.2580



30.3999, 0.3571, 0.2433



18.6446, 0.3976, 0.3093



7.6246, 0.3185, 0.3139



7.2064, 0.4216, 0.2096



0.1841, 0.3812, 0.1874

Previews

White Background



This preview shows how the Yxy color 32.8072, 0.2902, 0.4133 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 32.8072, 0.2902, 0.4133 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 32.8072, 0.2902, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 32.8072, 0.2902, 0.4133.



This preview shows how white text looks on a background with the Yxy color 32.8072, 0.2902, 0.4133.

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

32.8072, 0.2902, 0.4133

Protanopia

32.3483, 0.3618, 0.3879

Deuteranopia

32.2958, 0.3673, 0.3593



Tritanopia

32.7085, 0.2590, 0.3082

Trichromacy



Original Color

32.8072, 0.2902, 0.4133

Protanomaly

32.1123, 0.3317, 0.3971

Deuteranomaly

31.7416, 0.3355, 0.3781

Tritanomaly

32.7985, 0.2707, 0.3455

Monochromacy



Original Color

32.8072, 0.2902, 0.4133

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.0438, 0.3034, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8072, 0.2902, 0.4133 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(99, 170, 122)` looks like.

```
.text, #text, p{  
    color:rgb(99, 170, 122)  
}
```

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(99, 170, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 170, 122) }
```

Border

The CSS property to change the border of an element to Yxy 32.8072, 0.2902, 0.4133 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(99, 170, 122) }
```

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

```
.border{ border-color:rgb(99, 170, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 170, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 170, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 170, 122);  
box-shadow:4px 4px 4px 4px rgb(99, 170,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8072, 0.2902, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 170, 122) }
```

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

```
.background{ background-color: rgb(99, 170,  
122) }
```

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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