

Converting Colors

$Yxy(33.0508, 0.2464, 0.3284)$

Have a look what the booklet for
Yxy(33.0508, 0.2464, 0.3284)
contains.

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Color

Yxy(32.9898, 0.2466, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	51A9A9
RGB	81, 169, 169
RGB Percent	32%, 66%, 66%
CMY	0.6824, 0.3372, 0.3372
CMYK	0.52, 0.00, 0.00, 0.34
HSL	180°, 35%, 49%
HSV	180°, 52%, 66%
XYZ	24.7424, 32.9898, 42.6018
YIQ	142.6880, -52.4480, -18.6560

Conversions

Conversions Part 2

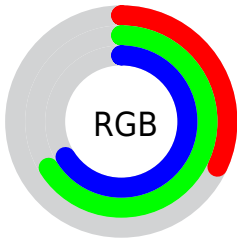
Format	Color
RYB	81, 125, 169
Decimal	5351849
CIELab	64.15, -26.23, -8.09
CIElCh	64, 27.449, 197.133
Yxy	32.9898, 0.2466, 0.3288
Android (android.graphics.Color)	4283541929 (0xFF51A9A9)
YUV	142.6880, 12.9718, -54.1004
Hunter-Lab	57.4367, -23.6209, -3.7707

Details

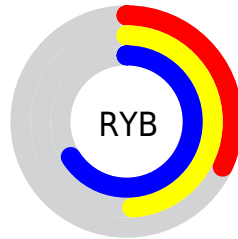
The Yxy color **32.9898, 0.2466, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9137, 0.4593, 0.3294**, and the grayscale version is **27.3004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6355, 0.2597, 0.3301**, and **13.8332, 0.2257, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **32.3350, 0.2386, 0.3288**, and if you desaturate by 10%, it is **33.8329, 0.2564, 0.3288**.

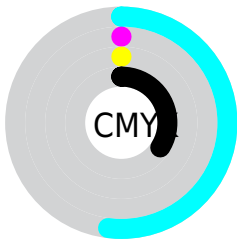
Distribution



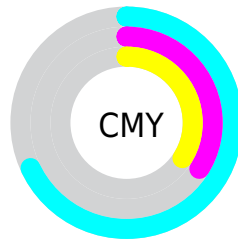
- Red (32%)
- Green (66%)
- Blue (66%)



- Red (32%)
- Yellow (49%)
- Blue (66%)



- Cyan (52%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)




- Cyan (68%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9898, 0.2466, 0.3288 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 32.9898, 0.2466, 0.3288 by changing the saturation by 10% instead.


 32.9898, 0.2466,
0.3288


 32.9898, 0.2466,
0.3288


315.6038, 0.2809,
0.3297

 22.1186, 0.2377,
0.3283


 64.3596, 0.2593,
0.3293


 13.9441, 0.2260,
0.3274


 85.6270, 0.2640,
0.3294

 8.0818, 0.2101,
0.3259


 111.1287, 0.2680,
0.3295

 4.1473, 0.1874,
0.3229

 141.2489, 0.2713,
0.3296

 1.7563, 0.1528,
0.3161

176.3721, 0.2742,
0.3296

 0.4597, 0.0000,
0.3006

216.8828, 0.2767,

 0.0000, 0.0000,

0.3296

0.0000

263.1652, 0.2789,
0.3297

■ 32.9898, 0.2466,
0.3288

■ 32.9898, 0.2466,
0.3288

■ 32.3350, 0.2386,
0.3288

■ 33.8329, 0.2564,
0.3288

■ 31.8507, 0.2326,
0.3288

■ 34.8732, 0.2678,
0.3289

■ 31.5221, 0.2283,
0.3287

■ 36.1234, 0.2806,
0.3289

■ 31.3301, 0.2258,
0.3287

■ 37.5941, 0.2946,
0.3289

■ 31.2414, 0.2247,
0.3287

■ 39.2953, 0.3095,
0.3290

■ 41.2363, 0.3250,
0.3290

■ 43.4257, 0.3409,
0.3291

■ 45.8721, 0.3568,
0.3291

■ 48.5834, 0.3726,
0.3292

Harmonies

Analogous

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



32.9898, 0.2767, 0.3708



32.9898, 0.2466, 0.3288



32.9898, 0.2338, 0.2906

Triad

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



32.9898, 0.2466, 0.3288



32.9898, 0.3029, 0.2689



32.9898, 0.3894, 0.3887

Complementary

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



32.9898, 0.2466, 0.3288



14.9137, 0.4593, 0.3294

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.



32.9898, 0.3986, 0.3581



32.9898, 0.2466, 0.3288



32.9898, 0.3467, 0.2917

Square

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



32.9898, 0.2466, 0.3288



32.9898, 0.2644, 0.2596



32.9898, 0.3828, 0.3234



32.9898, 0.3592, 0.4058

Rectangle

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



32.9898, 0.2466, 0.3288



32.9898, 0.2359, 0.2726



32.9898, 0.3828, 0.3234



32.9898, 0.3952, 0.3795

Sweetspot

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



32.9911, 0.2466, 0.3288



66.1662, 0.2886, 0.3289



30.7210, 0.3051, 0.4916



14.3093, 0.2859, 0.3289



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.



32.9911, 0.2466, 0.3288



57.8028, 0.2379, 0.3288



19.2809, 0.2309, 0.2488



8.5320, 0.2987, 0.3290



23.2824, 0.2247, 0.3287



0.5665, 0.2247, 0.3287

Inverse Universe

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



17.1842, 0.3185, 0.2068



26.4745, 0.3194, 0.1869



23.6967, 0.4203, 0.3955



7.6666, 0.3138, 0.3067



8.4214, 0.3209, 0.1542



0.2049, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 32.9898, 0.2466, 0.3288 looks on a white background.

Color Contrast Check

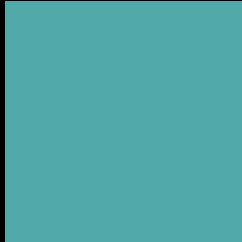
Large Text (above 18pt) WCAG AA × Fail

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 32.9898, 0.2466, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

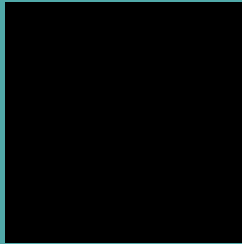
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9898, 0.2466, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 32.9898, 0.2466, 0.3288.

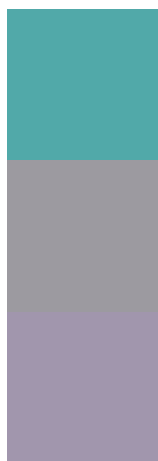


This preview shows how white text looks on a background with the Yxy color 32.9898, 0.2466, 0.3288.

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

32.9898, 0.2466, 0.3288

Protanopia

32.7172, 0.3092, 0.3200

Deuteranopia

32.4069, 0.3024, 0.2957



Tritanopia

32.9049, 0.2410, 0.3061

Trichromacy



Original Color

32.9898, 0.2466, 0.3288

Protanomaly

32.1077, 0.2819, 0.3226

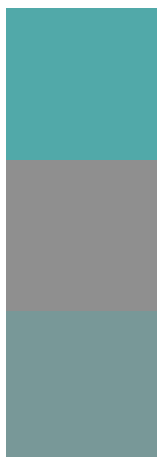
Deuteranomaly

31.9980, 0.2772, 0.3056

Tritanomaly

33.0644, 0.2431, 0.3140

Monochromacy



Original Color

32.9898, 0.2466, 0.3288

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.7165, 0.2822, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9898, 0.2466, 0.3288 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(81, 169, 169)` looks like.

```
.text, #text, p{  
    color:rgb(81, 169, 169)  
}
```

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(81, 169, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 169, 169) }
```

Border

The CSS property to change the border of an element to Yxy 32.9898, 0.2466, 0.3288 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(81, 169, 169) }
```

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

```
.border{ border-color:rgb(81, 169, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 169, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 169, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 169, 169);  
box-shadow:4px 4px 4px 4px rgb(81, 169,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9898, 0.2466, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 169, 169) }
```

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

```
.background{ background-color: rgb(81, 169,  
169) }
```

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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