

Converting Colors

$Yxy(32.7299, 0.2367, 0.3067)$

Have a look what the booklet for
Yxy(32.7299, 0.2367, 0.3067)
contains.

Yxy(32.8780, 0.2368, 0.3075)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.8780, 0.2368, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	4CA8B5
RGB	76, 168, 181
RGB Percent	30%, 66%, 71%
CMY	0.7022, 0.3411, 0.2902
CMYK	0.58, 0.07, 0.00, 0.29
HSL	187°, 42%, 50%
HSV	187°, 58%, 71%
XYZ	25.3187, 32.8780, 48.7236
YIQ	141.9740, -59.0050, -15.4610

Conversions

Conversions Part 2

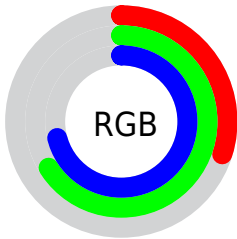
Format	Color
RYB	76, 125, 181
Decimal	5023925
CIELab	64.06, -23.38, -14.94
CIElCh	64, 27.745, 212.575
Yxy	32.8780, 0.2368, 0.3075
Android (android.graphics.Color)	4283214005 (0xFF4CA8B5)
YUV	141.9740, 19.2398, -57.8592
Hunter-Lab	57.3393, -21.5255, -10.2436

Details

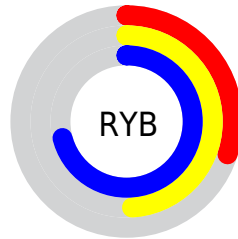
The Yxy color **32.8780, 0.2368, 0.3075** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.4744, 0.4753, 0.3472**, and the grayscale version is **26.9733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9581, 0.2510, 0.3117**, and **14.0493, 0.2167, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **31.4213, 0.2284, 0.3032**, and if you desaturate by 10%, it is **34.5599, 0.2469, 0.3117**.

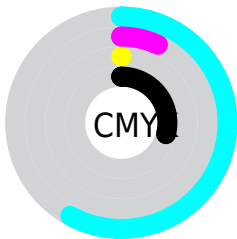
Distribution



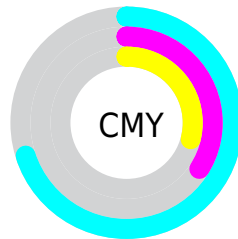
- Red (30%)
- Green (66%)
- Blue (71%)



- Red (30%)
- Yellow (49%)
- Blue (71%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (29%)





- Cyan (70%)
- Magenta (34%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8780, 0.2368, 0.3075 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 32.8780, 0.2368, 0.3075 by changing the saturation by 10% instead.

 32.8780, 0.2368,
0.3075


 32.8780, 0.2368,
0.3075


315.0996, 0.2759,
0.3199

 22.0330, 0.2268,
0.3038


 64.1850, 0.2512,
0.3124

 13.8812, 0.2138,
0.2988


 85.4158, 0.2566,
0.3141


 8.0381, 0.1964,
0.2914


 110.8773, 0.2611,
0.3155

 4.1193, 0.1719,
0.2798

 140.9540, 0.2649,
0.3167

 1.7405, 0.1359,
0.2597

 176.0301, 0.2682,
0.3177

 0.4497, 0.0000,
0.2138

216.4902, 0.2711,

 0.0000, 0.0000,

0.3185

0.0000

262.7186, 0.2736,
0.3192

■ 32.8780, 0.2368,
0.3075

■ 32.8780, 0.2368,
0.3075

■ 31.4213, 0.2284,
0.3032

■ 34.5599, 0.2469,
0.3117

■ 30.1679, 0.2219,
0.2989

■ 36.4791, 0.2586,
0.3157

■ 29.0979, 0.2173,
0.2946

■ 38.6515, 0.2717,
0.3196

■ 28.1777, 0.2143,
0.2904

■ 41.0901, 0.2857,
0.3232

■ 28.0048, 0.2138,
0.2896

■ 43.8074, 0.3005,
0.3265

■ 46.8147, 0.3157,
0.3296

■ 50.1230, 0.3311,
0.3323

■ 53.7424, 0.3465,
0.3348

■ 57.6827, 0.3616,
0.3370

Harmonies

Analogous

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



32.8780, 0.2587, 0.3499



32.8780, 0.2368, 0.3075



32.8780, 0.2338, 0.2754

Triad

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



32.8780, 0.2368, 0.3075



32.8780, 0.3257, 0.2786



32.8780, 0.3767, 0.4006

Complementary

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



32.8780, 0.2368, 0.3075



17.4744, 0.4753, 0.3472

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.



32.8780, 0.3979, 0.3754



32.8780, 0.2368, 0.3075



32.8780, 0.3678, 0.3069

Square

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



32.8780, 0.2368, 0.3075



32.8780, 0.2825, 0.2618



32.8780, 0.3950, 0.3414



32.8780, 0.3388, 0.4071

Rectangle

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



32.8780, 0.2368, 0.3075



32.8780, 0.2424, 0.2632



32.8780, 0.3950, 0.3414



32.8780, 0.3861, 0.3938

Sweetspot

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



32.8792, 0.2368, 0.3075



73.9509, 0.2868, 0.3234



35.2866, 0.2974, 0.4934



15.7880, 0.2840, 0.3228



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.8792, 0.2368, 0.3075



55.5406, 0.2262, 0.3019



17.4080, 0.2167, 0.2145



9.4488, 0.2986, 0.3261



19.3763, 0.2139, 0.2901



0.6596, 0.2172, 0.3019

Inverse Universe

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



17.8102, 0.3358, 0.2083



26.8930, 0.3420, 0.1896



29.3112, 0.4259, 0.4184



8.6283, 0.3156, 0.3093



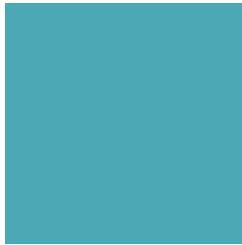
8.4962, 0.3542, 0.1725



0.2724, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 32.8780, 0.2368, 0.3075 looks on a white background.

Color Contrast Check

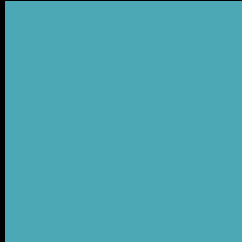
Large Text (above 18pt) WCAG AA × Fail

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 32.8780, 0.2368, 0.3075 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 32.8780, 0.2368, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 32.8780, 0.2368, 0.3075.



This preview shows how white text looks on a background with the Yxy color 32.8780, 0.2368, 0.3075.

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

32.8780, 0.2368, 0.3075

Protanopia

32.3981, 0.2956, 0.3022

Deuteranopia

32.5060, 0.2856, 0.2800



Tritanopia

32.9192, 0.2363, 0.3059

Trichromacy



Original Color

32.8780, 0.2368, 0.3075

Protanomaly

31.8340, 0.2685, 0.3023

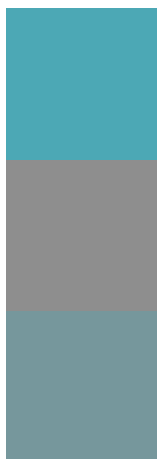
Deuteranomaly

32.0103, 0.2634, 0.2876

Tritanomaly

32.9192, 0.2363, 0.3059

Monochromacy



Original Color

32.8780, 0.2368, 0.3075

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3851, 0.2771, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8780, 0.2368, 0.3075 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(76, 168, 181)` looks like.

```
.text, #text, p{  
    color:rgb(76, 168, 181)  
}
```

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(76, 168, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 168, 181) }
```

Border

The CSS property to change the border of an element to Yxy 32.8780, 0.2368, 0.3075 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(76, 168, 181) }
```

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

```
.border{ border-color:rgb(76, 168, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 168, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 168, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 168, 181);  
box-shadow:4px 4px 4px 4px rgb(76, 168,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8780, 0.2368, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 168, 181) }
```

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

```
.background{ background-color: rgb(76, 168,  
181) }
```

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