

Converting Colors

$Y_{xy}(32.3726, 0.2210, 0.2989)$

Have a look what the booklet for
Yxy(32.3726, 0.2210, 0.2989)
contains.

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Color

Yxy(32.3571, 0.2209, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	25A9BB
RGB	37, 169, 187
RGB Percent	15%, 66%, 73%
CMY	0.8550, 0.3372, 0.2666
CMYK	0.80, 0.10, 0.00, 0.27
HSL	187°, 67%, 44%
HSV	187°, 80%, 73%
XYZ	23.9213, 32.3571, 52.0118
YIQ	131.5840, -84.4500, -22.3860

Conversions

Conversions Part 2

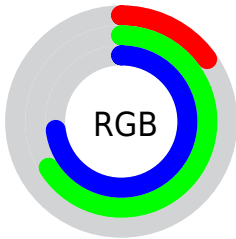
Format	Color
R_{YB}	37, 107, 187
Decimal	2468283
CIE _{Lab}	63.64, -27.58, -19.04
CIE _{LCh}	64, 33.512, 214.617
Yxy	32.3571, 0.2209, 0.2988
Android (android.graphics.Color)	4280658363 (0xFF25A9BB)
YUV	131.5840, 27.3201, -82.9502
Hunter-Lab	56.8833, -24.4807, -14.3940

Details

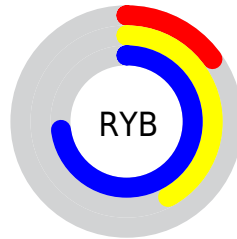
The Yxy color **32.3571, 0.2209, 0.2988** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.4325, 0.5721, 0.3462**, and the grayscale version is **22.8371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5727, 0.2382, 0.3065**, and **14.2120, 0.2131, 0.2871** is the 20% darker color. If you saturate the color by 10%, you get **31.2681, 0.2167, 0.2946**, and if you desaturate by 10%, it is **33.6398, 0.2269, 0.3030**.

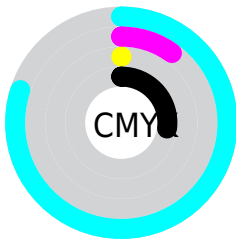
Distribution



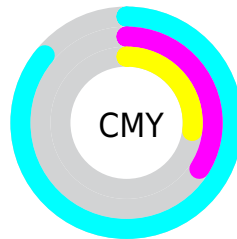
- Red (15%)
- Green (66%)
- Blue (73%)



- Red (15%)
- Yellow (42%)
- Blue (73%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)
- Black (27%)





- Cyan (86%)
- Magenta (34%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3571, 0.2209, 0.2988 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 32.3571, 0.2209, 0.2988 by changing the saturation by 10% instead.


 32.3571, 0.2209,
0.2988

 32.3571, 0.2209,
0.2988


312.7428, 0.2678,
0.3162


 21.6344, 0.2090,
0.2937


 63.3705, 0.2381,
0.3057


 13.5885, 0.1938,
0.2866


 84.4300, 0.2445,
0.3081

 7.8350, 0.1737,
0.2764


 109.7038, 0.2499,
0.3101

 3.9896, 0.1461,
0.2607

 139.5765, 0.2545,
0.3117

 1.6677, 0.1069,
0.2341

 174.4323, 0.2585,
0.3131

 0.4026, 0.0000,
0.1666

214.6557, 0.2620,

 0.0000, 0.0000,

0.3143

0.0000

260.6310, 0.2651,
0.3153

■ 32.3571, 0.2209,
0.2988

■ 32.3571, 0.2209,
0.2988

■ 31.2681, 0.2167,
0.2946

■ 33.6398, 0.2269,
0.3030

■ 30.3416, 0.2141,
0.2906

■ 35.1366, 0.2348,
0.3072

■ 36.8689, 0.2446,
0.3112

■ 38.8545, 0.2559,
0.3152

■ 41.1093, 0.2686,
0.3190

■ 43.6480, 0.2825,
0.3226

■ 46.4841, 0.2972,
0.3259

■ 49.6301, 0.3124,
0.3289

■ 53.0980, 0.3278,
0.3317

Harmonies

Analogous

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



32.3571, 0.2450, 0.3505



32.3571, 0.2209, 0.2988



32.3571, 0.2191, 0.2621

Triad

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



32.3571, 0.2209, 0.2988



32.3571, 0.3317, 0.2708



32.3571, 0.3868, 0.4167

Complementary

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



32.3571, 0.2209, 0.2988



13.4325, 0.5721, 0.3462

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.



32.3571, 0.4149, 0.3860



32.3571, 0.2209, 0.2988



32.3571, 0.3827, 0.3047

Square

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



32.3571, 0.2209, 0.2988



32.3571, 0.2792, 0.2498



32.3571, 0.4141, 0.3455



32.3571, 0.3399, 0.4243

Rectangle

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



32.3571, 0.2209, 0.2988



32.3571, 0.2302, 0.2490



32.3571, 0.4141, 0.3455



32.3571, 0.3988, 0.4083

Sweetspot

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



32.3583, 0.2209, 0.2988



76.1996, 0.2766, 0.3211



36.2146, 0.2958, 0.5575



16.4258, 0.2717, 0.3198



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



32.3583, 0.2209, 0.2988



54.7430, 0.2148, 0.2917



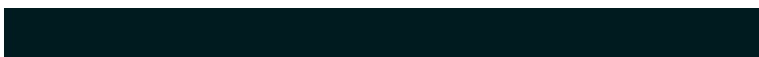
12.0740, 0.1850, 0.1621



10.6086, 0.2985, 0.3262



20.9697, 0.2142, 0.2911



0.8773, 0.2170, 0.3010

Inverse Universe

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



14.7535, 0.3455, 0.1800



24.0032, 0.3527, 0.1728



26.5343, 0.4741, 0.4376



9.6760, 0.3155, 0.3091



9.1466, 0.3533, 0.1720



0.3639, 0.3445, 0.1672

Previews

White Background



This preview shows how the Yxy color 32.3571, 0.2209, 0.2988 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 32.3571, 0.2209, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

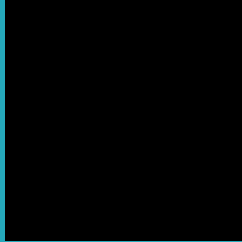
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3571, 0.2209, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 32.3571, 0.2209, 0.2988.

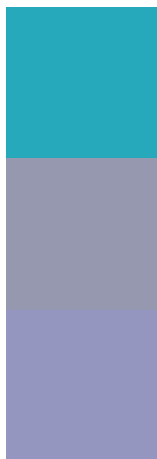


This preview shows how white text looks on a background with the Yxy color 32.3571, 0.2209, 0.2988.

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

32.3571, 0.2209, 0.2988

Protanopia

31.9412, 0.2894, 0.2947

Deuteranopia

31.8702, 0.2753, 0.2698



Tritanopia

32.4917, 0.2224, 0.3069

Trichromacy



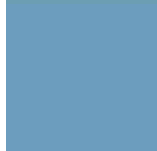
Original Color

32.3571, 0.2209, 0.2988



Protanomaly

30.8965, 0.2537, 0.2952



Deuteranomaly

31.0198, 0.2463, 0.2774



Tritanomaly

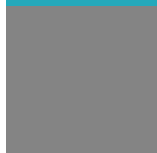
32.5502, 0.2222, 0.3053

Monochromacy



Original Color

32.3571, 0.2209, 0.2988



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.0592, 0.2615, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3571, 0.2209, 0.2988 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(37, 169, 187)` looks like.

```
.text, #text, p{  
    color:rgb(37, 169, 187)  
}
```

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(37, 169, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 169, 187) }
```

Border

The CSS property to change the border of an element to Yxy 32.3571, 0.2209, 0.2988 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(37, 169, 187) }
```

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

```
.border{ border-color:rgb(37, 169, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 169, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 169, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 169, 187);  
box-shadow:4px 4px 4px 4px rgb(37, 169,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3571, 0.2209, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 169, 187) }
```

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

```
.background{ background-color: rgb(37, 169,  
187) }
```

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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