

Converting Colors

$Yxy(32.6831, 0.2297, 0.3072)$

Have a look what the booklet for
Yxy(32.6831, 0.2297, 0.3072)
contains.

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Color

Yxy(32.6831, 0.2297, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	3BA9B6
RGB	59, 169, 182
RGB Percent	23%, 66%, 71%
CMY	0.7683, 0.3373, 0.2863
CMYK	0.68, 0.07, 0.00, 0.29
HSL	186°, 51%, 47%
HSV	186°, 68%, 71%
XYZ	24.4379, 32.6831, 49.2693
YIQ	137.5920, -69.7330, -19.2770

Conversions

Conversions Part 2

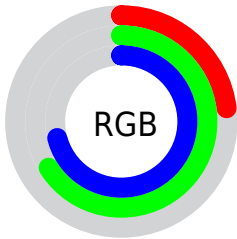
Format	Color
RYB	59, 117, 182
Decimal	3910070
CIELab	63.90, -26.47, -15.78
CIELCh	64, 30.818, 210.800
Yxy	32.6831, 0.2297, 0.3072
Android (android.graphics.Color)	4282100150 (0xFF3BA9B6)
YUV	137.5920, 21.8931, -68.9252
Hunter-Lab	57.1691, -23.7433, -11.0788

Details

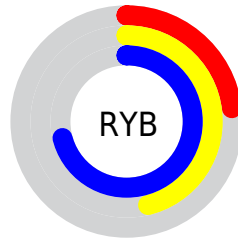
The Yxy color **32.6831, 0.2297, 0.3072** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9063, 0.5191, 0.3454**, and the grayscale version is **25.1972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1610, 0.2456, 0.3127**, and **14.0758, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **31.5103, 0.2233, 0.3036**, and if you desaturate by 10%, it is **34.0627, 0.2379, 0.3108**.

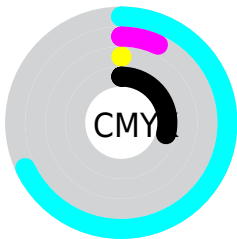
Distribution



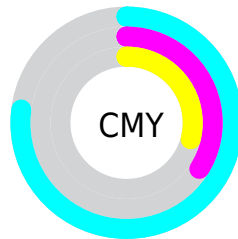
- Red (23%)
- Green (66%)
- Blue (71%)



- Red (23%)
- Yellow (46%)
- Blue (71%)



- Cyan (68%)
- Magenta (7%)
- Yellow (0%)
- Black (29%)





- Cyan (77%)
- Magenta (34%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6831, 0.2297, 0.3072 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 32.6831, 0.2297, 0.3072 by changing the saturation by 10% instead.


 32.6831, 0.2297,
0.3072

 32.6831, 0.2297,
0.3072


314.2193, 0.2723,
0.3199

 21.8838, 0.2188,
0.3034


 63.8805, 0.2454,
0.3123

 13.7715, 0.2048,
0.2981


 85.0473, 0.2512,
0.3141


 7.9619, 0.1860,
0.2902


 110.4387, 0.2561,
0.3155

 4.0706, 0.1600,
0.2779

 140.4392, 0.2603,
0.3167

 1.7131, 0.1222,
0.2562

 175.4331, 0.2639,
0.3177

 0.4321, 0.0000,
0.2016

215.8049, 0.2671,

 0.0000, 0.0000,

0.3186

0.0000

261.9388, 0.2698,
0.3193

■ 32.6831, 0.2297,
0.3072

■ 32.6831, 0.2297,
0.3072

■ 31.5103, 0.2233,
0.3036

■ 34.0627, 0.2379,
0.3108

■ 30.5196, 0.2189,
0.2999

■ 35.6637, 0.2479,
0.3144

■ 29.6804, 0.2160,
0.2963

■ 37.5034, 0.2595,
0.3178

■ 29.4825, 0.2154,
0.2955

■ 39.5963, 0.2725,
0.3211

■ 41.9558, 0.2865,
0.3242

■ 44.5942, 0.3013,
0.3270

■ 47.5231, 0.3165,
0.3296

■ 50.7535, 0.3320,
0.3320

■ 54.2956, 0.3474,
0.3341

Harmonies

Analogous

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



32.6831, 0.2547, 0.3550



32.6831, 0.2297, 0.3072



32.6831, 0.2253, 0.2710

Triad

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



32.6831, 0.2297, 0.3072



32.6831, 0.3239, 0.2720



32.6831, 0.3855, 0.4071

Complementary

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



32.6831, 0.2297, 0.3072



14.9063, 0.5191, 0.3454

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.



32.6831, 0.4080, 0.3777



32.6831, 0.2297, 0.3072



32.6831, 0.3716, 0.3023

Square

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



32.6831, 0.2297, 0.3072



32.6831, 0.2765, 0.2543



32.6831, 0.4033, 0.3398



32.6831, 0.3441, 0.4167

Rectangle

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



32.6831, 0.2297, 0.3072



32.6831, 0.2339, 0.2570



32.6831, 0.4033, 0.3398



32.6831, 0.3956, 0.3989

Sweetspot

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



32.6843, 0.2297, 0.3072



74.8242, 0.2825, 0.3233



34.8436, 0.2972, 0.5260



16.2591, 0.2785, 0.3225



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



32.6843, 0.2297, 0.3072



56.2275, 0.2209, 0.3018



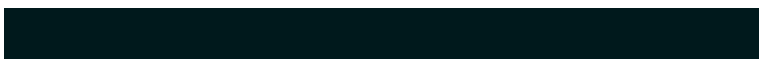
15.0880, 0.2030, 0.1958



10.0440, 0.2985, 0.3265



20.8812, 0.2155, 0.2959



0.7830, 0.2181, 0.3051

Inverse Universe

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



15.9458, 0.3372, 0.1919



24.9132, 0.3431, 0.1765



26.9891, 0.4494, 0.4264



9.1459, 0.3153, 0.3088



8.8903, 0.3491, 0.1697



0.3181, 0.3409, 0.1652

Previews

White Background



This preview shows how the Yxy color 32.6831, 0.2297, 0.3072 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 32.6831, 0.2297, 0.3072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

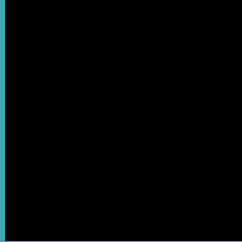
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

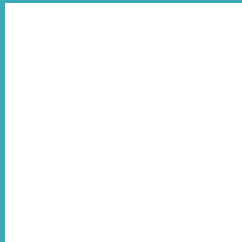
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.6831, 0.2297, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 32.6831, 0.2297, 0.3072.

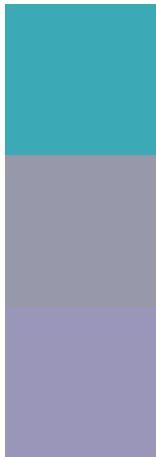


This preview shows how white text looks on a background with the Yxy color 32.6831, 0.2297, 0.3072.

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

32.6831, 0.2297, 0.3072

Protanopia

32.3020, 0.2947, 0.3021

Deuteranopia

32.1302, 0.2838, 0.2771



Tritanopia

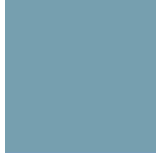
32.7246, 0.2291, 0.3056

Trichromacy



Original Color

32.6831, 0.2297, 0.3072



Protanomaly

31.7430, 0.2640, 0.3035



Deuteranomaly

31.5387, 0.2573, 0.2855



Tritanomaly

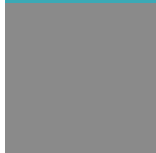
32.7246, 0.2291, 0.3056

Monochromacy



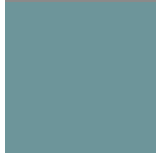
Original Color

32.6831, 0.2297, 0.3072



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.0792, 0.2707, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6831, 0.2297, 0.3072 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(59, 169, 182)` looks like.

```
.text, #text, p{  
    color:rgb(59, 169, 182)  
}
```

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(59, 169, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 169, 182) }
```

Border

The CSS property to change the border of an element to Yxy 32.6831, 0.2297, 0.3072 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(59, 169, 182) }
```

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

```
.border{ border-color:rgb(59, 169, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 169, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 169, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 169, 182);  
box-shadow:4px 4px 4px 4px rgb(59, 169,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6831, 0.2297, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 169, 182) }
```

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

```
.background{ background-color: rgb(59, 169,  
182) }
```

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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