

Converting Colors

$Yxy(32.8017, 0.2305, 0.3178)$

Have a look what the booklet for
Yxy(32.8017, 0.2305, 0.3178)
contains.

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Color

Yxy(32.6538, 0.2303, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	34AAB1
RGB	52, 170, 177
RGB Percent	20%, 67%, 69%
CMY	0.7958, 0.3333, 0.3058
CMYK	0.71, 0.04, 0.00, 0.31
HSL	183°, 55%, 45%
HSV	183°, 71%, 69%
XYZ	23.7304, 32.6538, 46.6571
YIQ	135.5160, -72.5750, -22.8390

Conversions

Conversions Part 2

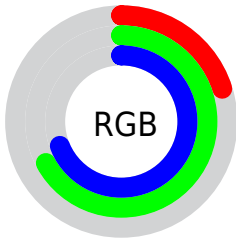
Format	Color
R _Y B	52, 113, 177
Decimal	3451569
CIE Lab	63.88, -29.47, -13.06
CIE LCh	64, 32.231, 203.901
Yxy	32.6538, 0.2303, 0.3169
Android (android.graphics.Color)	4281641649 (0xFF34AAB1)
YUV	135.5160, 20.4516, -73.2435
Hunter-Lab	57.1435, -25.8741, -8.4093

Details

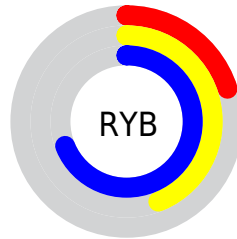
The Yxy color **32.6538, 0.2303, 0.3169** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.7352, 0.5391, 0.3378**, and the grayscale version is **24.3804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0578, 0.2460, 0.3200**, and **14.1778, 0.2200, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **31.8978, 0.2251, 0.3150**, and if you desaturate by 10%, it is **33.5912, 0.2373, 0.3188**.

Distribution



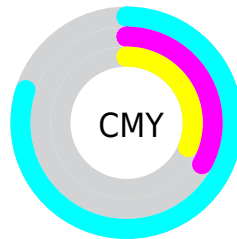
- Red (20%)
- Green (67%)
- Blue (69%)



- Red (20%)
- Yellow (44%)
- Blue (69%)



- Cyan (71%)
- Magenta (4%)
- Yellow (0%)
- Black (31%)



- Cyan (80%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6538, 0.2303, 0.3169 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 32.6538, 0.2303, 0.3169 by changing the saturation by 10% instead.


 32.6538, 0.2303,
0.3169


 32.6538, 0.2303,
0.3169


314.0868, 0.2727,
0.3245

 21.8614, 0.2194,
0.3144


 63.8346, 0.2459,
0.3201


 13.7551, 0.2054,
0.3108


 84.9918, 0.2517,
0.3212

 7.9505, 0.1865,
0.3054


 110.3728, 0.2566,
0.3220

 4.0633, 0.1602,
0.2963

 140.3618, 0.2608,
0.3227

 1.7090, 0.1212,
0.2795

 175.3433, 0.2644,
0.3233

 0.4295, 0.0000,
0.2293

215.7017, 0.2675,

 0.0000, 0.0000,

0.3238

0.0000

261.8214, 0.2703,
0.3242

■ 32.6538, 0.2303,
0.3169

■ 32.6538, 0.2303,
0.3169

■ 31.8978, 0.2251,
0.3150

■ 33.5912, 0.2373,
0.3188

■ 31.2988, 0.2218,
0.3132

■ 34.7240, 0.2462,
0.3207

■ 30.8381, 0.2199,
0.3114

■ 36.0689, 0.2568,
0.3225

■ 37.6399, 0.2689,
0.3242

■ 39.4497, 0.2823,
0.3259

■ 41.5101, 0.2967,
0.3275

■ 43.8321, 0.3118,
0.3289

■ 46.4261, 0.3273,
0.3302

■ 49.3017, 0.3430,
0.3314

Harmonies

Analogous

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



32.6538, 0.2608, 0.3678



32.6538, 0.2303, 0.3169



32.6538, 0.2207, 0.2753

Triad

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



32.6538, 0.2303, 0.3169



32.6538, 0.3123, 0.2641



32.6538, 0.3962, 0.4047

Complementary

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



32.6538, 0.2303, 0.3169



12.7352, 0.5391, 0.3378

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.



32.6538, 0.4140, 0.3708



32.6538, 0.2303, 0.3169



32.6538, 0.3637, 0.2930

Square

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



32.6538, 0.2303, 0.3169



32.6538, 0.2650, 0.2493



32.6538, 0.4022, 0.3307



32.6538, 0.3563, 0.4210

Rectangle

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



32.6538, 0.2303, 0.3169



32.6538, 0.2264, 0.2578



32.6538, 0.4022, 0.3307



32.6538, 0.4051, 0.3947

Sweetspot

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



32.6550, 0.2303, 0.3169



70.3696, 0.2813, 0.3258



32.4928, 0.2997, 0.5435



15.0544, 0.2776, 0.3253



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.6550, 0.2303, 0.3169



56.4529, 0.2230, 0.3139



14.6944, 0.2018, 0.2010



9.5481, 0.2986, 0.3277



22.3677, 0.2199, 0.3116



0.7284, 0.2213, 0.3168

Inverse Universe

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



14.7135, 0.3295, 0.1821



22.9989, 0.3330, 0.1673



23.2219, 0.4634, 0.4208



8.6383, 0.3146, 0.3078



8.7982, 0.3353, 0.1621



0.2793, 0.3309, 0.1597

Previews

White Background



This preview shows how the Yxy color 32.6538, 0.2303, 0.3169 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 32.6538, 0.2303, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

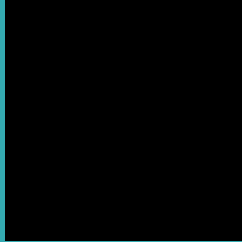
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

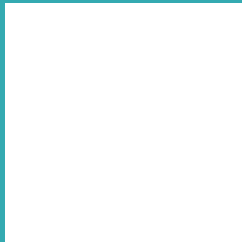
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.6538, 0.2303, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 32.6538, 0.2303, 0.3169.

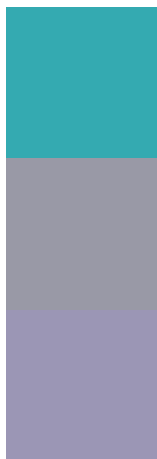


This preview shows how white text looks on a background with the Yxy color 32.6538, 0.2303, 0.3169.

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

32.6538, 0.2303, 0.3169

Protanopia

32.3079, 0.3009, 0.3095

Deuteranopia

32.1175, 0.2898, 0.2840



Tritanopia

32.6356, 0.2281, 0.3055

Trichromacy



Original Color

32.6538, 0.2303, 0.3169

Protanomaly

31.4116, 0.2660, 0.3112

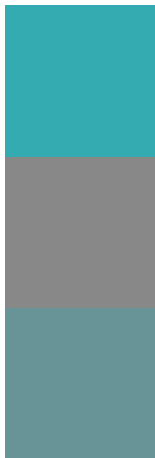
Deuteranomaly

31.2608, 0.2600, 0.2928

Tritanomaly

32.5244, 0.2288, 0.3087

Monochromacy



Original Color

32.6538, 0.2303, 0.3169

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.4174, 0.2695, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6538, 0.2303, 0.3169 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(52, 170, 177)` looks like.

```
.text, #text, p{  
  color:rgb(52, 170, 177)  
}
```

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(52, 170, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 170, 177) }
```

Border

The CSS property to change the border of an element to Yxy 32.6538, 0.2303, 0.3169 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(52, 170, 177) }
```

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

```
.border{ border-color:rgb(52, 170, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 170, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 170, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 170, 177);  
box-shadow:4px 4px 4px 4px rgb(52, 170,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6538, 0.2303, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 170, 177) }
```

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

```
.background{ background-color: rgb(52, 170,  
177) }
```

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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