

Converting Colors

$Yxy(32.8834, 0.2438, 0.3198)$

Have a look what the booklet for
Yxy(32.8834, 0.2438, 0.3198)
contains.

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Color

Yxy(32.8106, 0.2433, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	51A8AE
RGB	81, 168, 174
RGB Percent	32%, 66%, 68%
CMY	0.6822, 0.3412, 0.3176
CMYK	0.53, 0.03, 0.00, 0.32
HSL	184°, 36%, 50%
HSV	184°, 53%, 68%
XYZ	25.0402, 32.8106, 45.0683
YIQ	142.6710, -53.7780, -16.5780

Conversions

Conversions Part 2

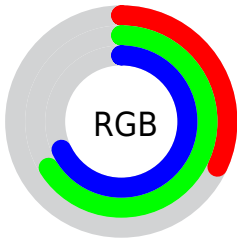
Format	Color
RYB	81, 126, 174
Decimal	5351598
CIELab	64.01, -24.33, -11.11
CIELCh	64, 26.744, 204.539
Yxy	32.8106, 0.2433, 0.3188
Android (android.graphics.Color)	4283541678 (0xFF51A8AE)
YUV	142.6710, 15.4452, -54.0855
Hunter-Lab	57.2805, -22.2096, -6.5529

Details

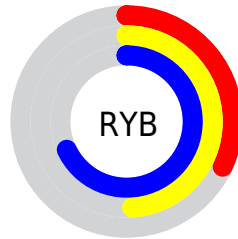
The Yxy color **32.8106, 0.2433, 0.3188** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.4240, 0.4604, 0.3381**, and the grayscale version is **27.2891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8358, 0.2568, 0.3214**, and **13.9411, 0.2219, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **31.7239, 0.2348, 0.3166**, and if you desaturate by 10%, it is **34.1004, 0.2535, 0.3209**.

Distribution



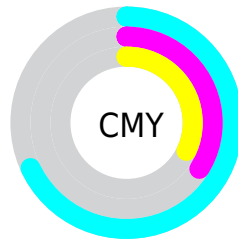
- Red (32%)
- Green (66%)
- Blue (68%)



- Red (32%)
- Yellow (49%)
- Blue (68%)



- Cyan (53%)
- Magenta (3%)
- Yellow (0%)
- Black (32%)




- Cyan (68%)
- Magenta (34%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8106, 0.2433, 0.3188 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 32.8106, 0.2433, 0.3188 by changing the saturation by 10% instead.


 32.8106, 0.2433,
0.3188


 32.8106, 0.2433,
0.3188

314.7954, 0.2792,
0.3251

 21.9814, 0.2340,
0.3168


 64.0797, 0.2566,
0.3214

 13.8432, 0.2219,
0.3140


 85.2884, 0.2615,
0.3223

 8.0117, 0.2055,
0.3096


 110.7257, 0.2657,
0.3230

 4.1024, 0.1822,
0.3024

 140.7761, 0.2692,
0.3235

 1.7310, 0.1470,
0.2890

175.8238, 0.2722,
0.3240

 0.4436, 0.0000,
0.2558

216.2533, 0.2748,

 0.0000, 0.0000,

0.3244

0.0000

262.4491, 0.2772,
0.3248

■ 32.8106, 0.2433,
0.3188

■ 32.8106, 0.2433,
0.3188

■ 31.7239, 0.2348,
0.3166

■ 34.1004, 0.2535,
0.3209

■ 30.8212, 0.2282,
0.3145

■ 35.6034, 0.2653,
0.3230

■ 30.0862, 0.2235,
0.3123

■ 37.3333, 0.2784,
0.3249

■ 29.4976, 0.2205,
0.3101

■ 39.3017, 0.2926,
0.3268

■ 29.1600, 0.2191,
0.3087

■ 41.5192, 0.3075,
0.3285

■ 43.9961, 0.3229,
0.3300

■ 46.7418, 0.3385,
0.3314

■ 49.7653, 0.3540,
0.3327

■ 53.0754, 0.3694,
0.3338

Harmonies

Analogous

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



32.8106, 0.2690, 0.3602



32.8106, 0.2433, 0.3188



32.8106, 0.2353, 0.2842

Triad

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



32.8106, 0.2433, 0.3188



32.8106, 0.3137, 0.2746



32.8106, 0.3820, 0.3931

Complementary

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



32.8106, 0.2433, 0.3188



16.4240, 0.4604, 0.3381

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.



32.8106, 0.3966, 0.3657



32.8106, 0.2433, 0.3188



32.8106, 0.3559, 0.2996

Square

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



32.8106, 0.2433, 0.3188



32.8106, 0.2738, 0.2619



32.8106, 0.3871, 0.3319



32.8106, 0.3488, 0.4049

Rectangle

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



32.8106, 0.2433, 0.3188



32.8106, 0.2404, 0.2693



32.8106, 0.3871, 0.3319



32.8106, 0.3893, 0.3852

Sweetspot

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



32.8119, 0.2433, 0.3188



70.2053, 0.2884, 0.3262



32.6989, 0.3021, 0.4888



15.4420, 0.2856, 0.3259



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.



32.8119, 0.2433, 0.3188



57.2262, 0.2336, 0.3163



18.9456, 0.2269, 0.2374



8.9818, 0.2986, 0.3275



21.1776, 0.2192, 0.3090



0.6151, 0.2210, 0.3155

Inverse Universe

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



17.7198, 0.3263, 0.2104



27.3502, 0.3295, 0.1907



26.1480, 0.4203, 0.4037



8.1390, 0.3147, 0.3081



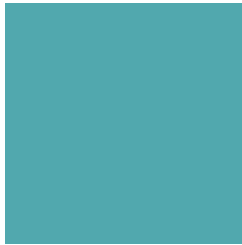
8.4409, 0.3376, 0.1633



0.2374, 0.3320, 0.1603

Previews

White Background



This preview shows how the Yxy color 32.8106, 0.2433, 0.3188 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 32.8106, 0.2433, 0.3188 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

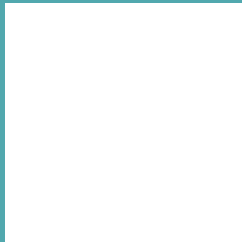
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8106, 0.2433, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 32.8106, 0.2433, 0.3188.

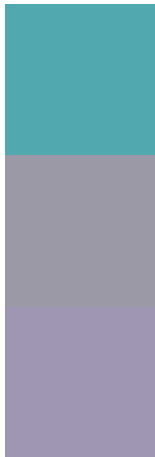


This preview shows how white text looks on a background with the Yxy color 32.8106, 0.2433, 0.3188.

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

32.8106, 0.2433, 0.3188

Protanopia

32.3691, 0.3028, 0.3111

Deuteranopia

32.2961, 0.2952, 0.2885



Tritanopia

32.7717, 0.2405, 0.3076

Trichromacy



Original Color

32.8106, 0.2433, 0.3188

Protanomaly

31.7929, 0.2762, 0.3131

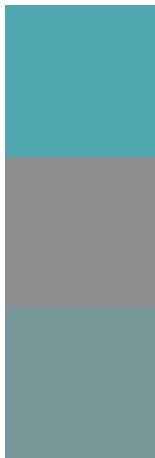
Deuteranomaly

32.0341, 0.2717, 0.2981

Tritanomaly

32.6456, 0.2411, 0.3107

Monochromacy



Original Color

32.8106, 0.2433, 0.3188

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.7826, 0.2806, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8106, 0.2433, 0.3188 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, 168, 174)` looks like.

```
.text, #text, p{  
    color:rgb(81, 168, 174)  
}
```

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, 168, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 168, 174) }
```

Border

The CSS property to change the border of an element to Yxy 32.8106, 0.2433, 0.3188 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, 168, 174) }
```

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

```
.border{ border-color:rgb(81, 168, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 168, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 168, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 168, 174);  
box-shadow:4px 4px 4px 4px rgb(81, 168,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8106, 0.2433, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 168, 174) }
```

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

```
.background{ background-color: rgb(81, 168,  
174) }
```

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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