

Converting Colors

$Y_{xy}(32.1902, 0.2431, 0.3165)$

Have a look what the booklet for
Yxy(32.1902, 0.2431, 0.3165)
contains.

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Color

Yxy(32.0778, 0.2426, 0.3155)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 51A6AE |
| RGB | 81, 166, 174 |
| RGB Percent | 32%, 65%, 68% |
| CMY | 0.6825, 0.3490, 0.3177 |
| CMYK | 0.53, 0.05, 0.00, 0.32 |
| HSL | 185°, 36%, 50% |
| HSV | 185°, 53%, 68% |
| XYZ | 24.6658, 32.0778, 44.9293 |
| YIQ | 141.4970, -53.2280, -15.5320 |

Conversions

Conversions Part 2

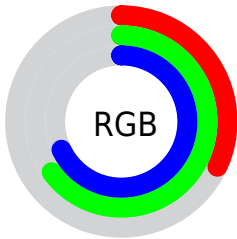
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 81, 125, 174 |
| Decimal | 5351086 |
| CIELab | 63.41, -23.35, -11.99 |
| CIELCh | 63, 26.245, 207.180 |
| Yxy | 32.0778, 0.2426, 0.3155 |
| Android (android.graphics.Color) | 4283541166 (0xFF51A6AE) |
| YUV | 141.4970, 16.0240, -53.0559 |
| Hunter-Lab | 56.6373, -21.3775, -7.3875 |

Details

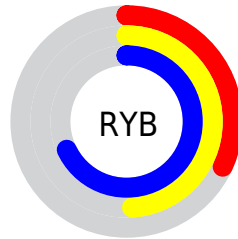
The Yxy color **32.0778, 0.2426, 0.3155** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.7257, 0.4588, 0.3410**, and the grayscale version is **26.7896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7733, 0.2565, 0.3189**, and **13.4914, 0.2207, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **30.8673, 0.2339, 0.3126**, and if you desaturate by 10%, it is **33.4939, 0.2530, 0.3183**.

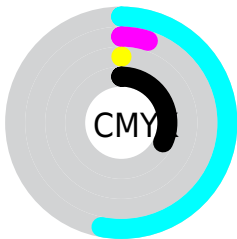
Distribution



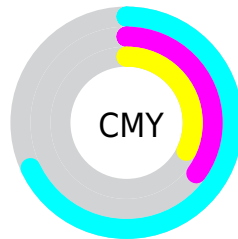
- Red (32%)
- Green (65%)
- Blue (68%)



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



- Cyan (53%)
- Magenta (5%)
- Yellow (0%)
- Black (32%)




- Cyan (68%)
- Magenta (35%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0778, 0.2426, 0.3155 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 32.0778, 0.2426, 0.3155 by changing the saturation by 10% instead.


 32.0778, 0.2426,
0.3155

 32.0778, 0.2426,
0.3155


311.4735, 0.2790,
0.3236

 21.4209, 0.2331,
0.3130


 62.9330, 0.2561,
0.3188


 13.4320, 0.2208,
0.3095


 83.9002, 0.2611,
0.3199

 7.7267, 0.2041,
0.3042


 109.0729, 0.2653,
0.3208

 3.9206, 0.1803,
0.2956

 138.8355, 0.2688,
0.3215

 1.6292, 0.1444,
0.2798

173.5725, 0.2719,
0.3222

 0.3772, 0.0000,
0.2279

213.6683, 0.2746,

 0.0000, 0.0000,

0.3227

0.0000

259.5071, 0.2769,
0.3232

■ 32.0778, 0.2426,
0.3155

■ 32.0778, 0.2426,
0.3155

■ 30.8673, 0.2339,
0.3126

■ 33.4939, 0.2530,
0.3183

■ 29.8434, 0.2270,
0.3097

■ 35.1257, 0.2650,
0.3210

■ 28.9896, 0.2220,
0.3068

■ 36.9870, 0.2783,
0.3236

■ 28.2848, 0.2188,
0.3039

■ 39.0894, 0.2925,
0.3260

■ 27.8743, 0.2172,
0.3020

■ 41.4435, 0.3074,
0.3283

■ 44.0595, 0.3228,
0.3303

■ 46.9469, 0.3383,
0.3322

■ 50.1148, 0.3537,
0.3338

■ 53.5718, 0.3689,
0.3352

Harmonies

Analogous

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



32.0778, 0.2666, 0.3563



32.0778, 0.2426, 0.3155



32.0778, 0.2363, 0.2824

Triad

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



32.0778, 0.2426, 0.3155



32.0778, 0.3174, 0.2769



32.0778, 0.3789, 0.3942

Complementary

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



32.0778, 0.2426, 0.3155



16.7257, 0.4588, 0.3410

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.



32.0778, 0.3953, 0.3681



32.0778, 0.2426, 0.3155



32.0778, 0.3587, 0.3025

Square

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



32.0778, 0.2426, 0.3155



32.0778, 0.2773, 0.2631



32.0778, 0.3880, 0.3349



32.0778, 0.3450, 0.4040

Rectangle

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



32.0778, 0.2426, 0.3155



32.0778, 0.2425, 0.2686



32.0778, 0.3880, 0.3349



32.0778, 0.3868, 0.3868

Sweetspot

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



32.0790, 0.2426, 0.3155



69.7958, 0.2884, 0.3254



32.7316, 0.3002, 0.4836



15.3400, 0.2855, 0.3249



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.



32.0790, 0.2426, 0.3155



55.6666, 0.2326, 0.3121



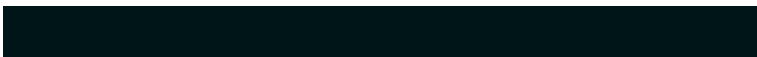
18.1696, 0.2257, 0.2315



8.9528, 0.2986, 0.3270



20.2636, 0.2173, 0.3024



0.5973, 0.2197, 0.3110

Inverse Universe

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



17.6300, 0.3288, 0.2125



27.1927, 0.3329, 0.1932



26.9822, 0.4178, 0.4079



8.1361, 0.3150, 0.3085



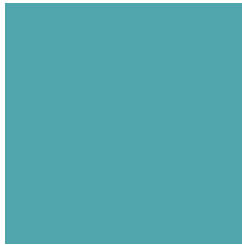
8.3487, 0.3433, 0.1665



0.2356, 0.3358, 0.1624

Previews

White Background



This preview shows how the Yxy color 32.0778, 0.2426, 0.3155 looks on a white background.

Color Contrast Check

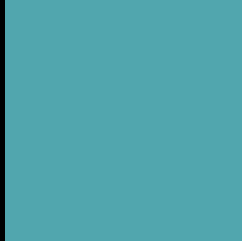
Large Text (above 18pt) WCAG AA × Fail

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 32.0778, 0.2426, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

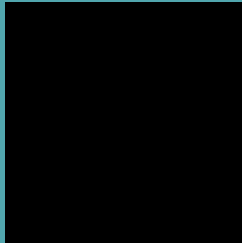
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0778, 0.2426, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 32.0778, 0.2426, 0.3155.

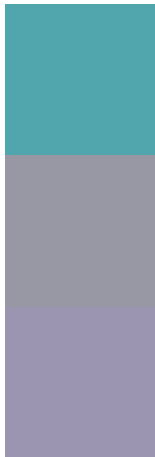


This preview shows how white text looks on a background with the Yxy color 32.0778, 0.2426, 0.3155.

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

32.0778, 0.2426, 0.3155

Protanopia

31.8485, 0.3009, 0.3094

Deuteranopia

31.6778, 0.2923, 0.2867



Tritanopia

32.0039, 0.2404, 0.3058

Trichromacy



Original Color

32.0778, 0.2426, 0.3155

Protanomaly

31.3767, 0.2752, 0.3114

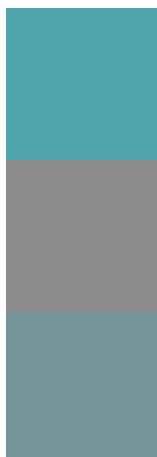
Deuteranomaly

31.2062, 0.2697, 0.2947

Tritanomaly

31.8784, 0.2410, 0.3089

Monochromacy



Original Color

32.0778, 0.2426, 0.3155

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.0345, 0.2803, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0778, 0.2426, 0.3155 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, 166, 174)` looks like.

```
.text, #text, p{  
    color:rgb(81, 166, 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, 166, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 166, 174) }
```

Border

The CSS property to change the border of an element to Yxy 32.0778, 0.2426, 0.3155 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, 166, 174) }
```

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

```
.border{ border-color:rgb(81, 166, 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, 166, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 166, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 166, 174);  
box-shadow:4px 4px 4px 4px rgb(81, 166,  
174) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.0778, 0.2426, 0.3155$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 166, 174) }
```

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

```
.background{ background-color: rgb(81, 166,  
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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