

Converting Colors

$Y_{xy}(32.1155, 0.2443, 0.3215)$

Have a look what the booklet for
Yxy(32.1155, 0.2443, 0.3215)
contains.

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Color

Yxy(32.2832, 0.2442, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	50A7AB
RGB	80, 167, 171
RGB Percent	31%, 65%, 67%
CMY	0.6864, 0.3451, 0.3294
CMYK	0.53, 0.02, 0.00, 0.33
HSL	183°, 36%, 49%
HSV	183°, 53%, 67%
XYZ	24.4755, 32.2832, 43.4686
YIQ	141.4430, -53.1360, -17.2000

Conversions

Conversions Part 2

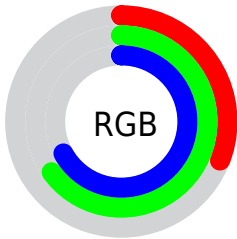
Format	Color
RYB	80, 124, 171
Decimal	5285803
CIELab	63.58, -24.90, -10.07
CIElCh	64, 26.856, 202.011
Yxy	32.2832, 0.2442, 0.3221
Android (android.graphics.Color)	4283475883 (0xFF50A7AB)
YUV	141.4430, 14.5716, -53.8855
Hunter-Lab	56.8183, -22.5400, -5.5867

Details

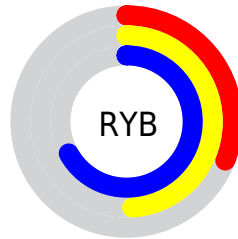
The Yxy color **32.2832, 0.2442, 0.3221** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.5717, 0.4610, 0.3353**, and the grayscale version is **26.7741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0519, 0.2577, 0.3238**, and **13.6321, 0.2231, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **31.3587, 0.2359, 0.3206**, and if you desaturate by 10%, it is **33.4012, 0.2542, 0.3235**.

Distribution



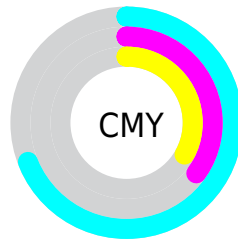
- Red (31%)
- Green (65%)
- Blue (67%)



- Red (31%)
- Yellow (49%)
- Blue (67%)



- Cyan (53%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)




- Cyan (69%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2832, 0.2442, 0.3221 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 32.2832, 0.2442, 0.3221 by changing the saturation by 10% instead.


 32.2832, 0.2442,
0.3221


 32.2832, 0.2442,
0.3221


312.4073, 0.2798,
0.3266


 21.5779, 0.2349,
0.3206


 63.2548, 0.2574,
0.3240


 13.5471, 0.2228,
0.3183


 84.2899, 0.2623,
0.3247

 7.8063, 0.2064,
0.3149


 109.5370, 0.2664,
0.3252

 3.9713, 0.1829,
0.3089

 139.3806, 0.2699,
0.3256

 1.6575, 0.1472,
0.2972

174.2050, 0.2729,
0.3259

 0.3959, 0.0000,
0.2569

214.3947, 0.2755,

 0.0000, 0.0000,

0.3262

0.0000

260.3340, 0.2778,
0.3264

■ 32.2832, 0.2442,
0.3221

■ 32.2832, 0.2442,
0.3221

■ 31.3587, 0.2359,
0.3206

■ 33.4012, 0.2542,
0.3235

■ 30.6093, 0.2296,
0.3192

■ 34.7220, 0.2658,
0.3249

■ 30.0193, 0.2250,
0.3177

■ 36.2589, 0.2788,
0.3262

■ 29.5687, 0.2222,
0.3163

■ 38.0229, 0.2929,
0.3275

■ 29.3123, 0.2209,
0.3153

■ 40.0243, 0.3078,
0.3286

■ 42.2728, 0.3232,
0.3297

■ 44.7774, 0.3388,
0.3307

■ 47.5468, 0.3545,
0.3315

■ 50.5892, 0.3700,
0.3323

Harmonies

Analogous

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



32.2832, 0.2715, 0.3638



32.2832, 0.2442, 0.3221



32.2832, 0.2346, 0.2862

Triad

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



32.2832, 0.2442, 0.3221



32.2832, 0.3100, 0.2725



32.2832, 0.3847, 0.3918

Complementary

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



32.2832, 0.2442, 0.3221



15.5717, 0.4610, 0.3353

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.



32.2832, 0.3976, 0.3632



32.2832, 0.2442, 0.3221



32.2832, 0.3529, 0.2968

Square

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



32.2832, 0.2442, 0.3221



32.2832, 0.2705, 0.2609



32.2832, 0.3859, 0.3290



32.2832, 0.3524, 0.4055

Rectangle

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



32.2832, 0.2442, 0.3221



32.2832, 0.2387, 0.2702



32.2832, 0.3859, 0.3290



32.2832, 0.3915, 0.3834

Sweetspot

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



32.2844, 0.2442, 0.3221



67.0898, 0.2885, 0.3271



31.4545, 0.3030, 0.4906



14.8193, 0.2857, 0.3269



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.2844, 0.2442, 0.3221



55.8839, 0.2346, 0.3204



18.6746, 0.2279, 0.2408



9.0109, 0.2987, 0.3280



22.1179, 0.2210, 0.3155



0.6333, 0.2222, 0.3198

Inverse Universe

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



17.1813, 0.3237, 0.2088



26.1620, 0.3262, 0.1885



24.8109, 0.4209, 0.4012



8.1419, 0.3144, 0.3076



8.5359, 0.3320, 0.1603



0.2393, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 32.2832, 0.2442, 0.3221 looks on a white background.

Color Contrast Check

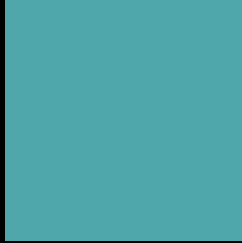
Large Text (above 18pt) WCAG AA × Fail

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 32.2832, 0.2442, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

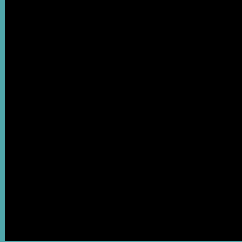
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2832, 0.2442, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 32.2832, 0.2442, 0.3221.

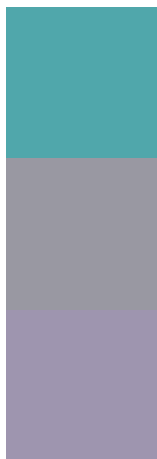


This preview shows how white text looks on a background with the Yxy color 32.2832, 0.2442, 0.3221.

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

32.2832, 0.2442, 0.3221

Protanopia

31.8374, 0.3045, 0.3139

Deuteranopia

31.8591, 0.2978, 0.2911



Tritanopia

32.3661, 0.2407, 0.3075

Trichromacy



Original Color

32.2832, 0.2442, 0.3221

Protanomaly

31.2662, 0.2776, 0.3161

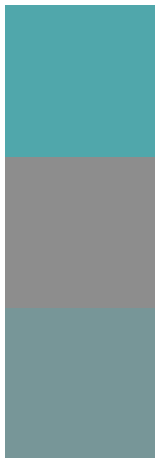
Deuteranomaly

31.5788, 0.2738, 0.3009

Tritanomaly

32.2009, 0.2420, 0.3122

Monochromacy



Original Color

32.2832, 0.2442, 0.3221

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.0016, 0.2811, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2832, 0.2442, 0.3221 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(80, 167, 171)` looks like.

```
.text, #text, p{  
    color:rgb(80, 167, 171)  
}
```

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(80, 167, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 167, 171) }
```

Border

The CSS property to change the border of an element to Yxy 32.2832, 0.2442, 0.3221 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(80, 167, 171) }
```

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

```
.border{ border-color:rgb(80, 167, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 167, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 167, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 167, 171);  
box-shadow:4px 4px 4px 4px rgb(80, 167,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2832, 0.2442, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 167, 171) }
```

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

```
.background{ background-color: rgb(80, 167,  
171) }
```

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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