

Converting Colors

$Y_{xy}(32.0491, 0.2307, 0.3381)$

Have a look what the booklet for
Yxy(32.0491, 0.2307, 0.3381)
contains.

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Color

Yxy(32.1402, 0.2306, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	1DABA6
RGB	29, 171, 166
RGB Percent	11%, 67%, 65%
CMY	0.8856, 0.3294, 0.3491
CMYK	0.83, 0.00, 0.03, 0.33
HSL	178°, 71%, 39%
HSV	178°, 83%, 67%
XYZ	21.9536, 32.1402, 41.1082
YIQ	127.9720, -83.0270, -31.6590

Conversions

Conversions Part 2

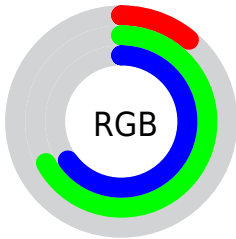
Format	Color
RYB	29, 101, 171
Decimal	1944486
CIELab	63.46, -35.71, -7.55
CIElCh	63, 36.505, 191.941
Yxy	32.1402, 0.2306, 0.3376
Android (android.graphics.Color)	4280134566 (0xFF1DABA6)
YUV	127.9720, 18.7478, -86.7984
Hunter-Lab	56.6923, -30.0891, -3.3072

Details

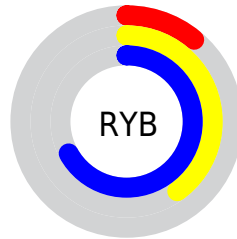
The Yxy color **32.1402, 0.2306, 0.3376** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.6616, 0.5910, 0.3257**, and the grayscale version is **21.5486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0422, 0.2462, 0.3366**, and **14.1718, 0.2274, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **31.9342, 0.2285, 0.3387**, and if you desaturate by 10%, it is **32.4871, 0.2344, 0.3365**.

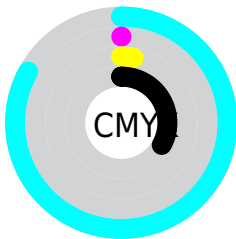
Distribution



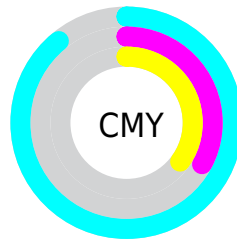
- Red (11%)
- Green (67%)
- Blue (65%)



- Red (11%)
- Yellow (40%)
- Blue (67%)



- Cyan (83%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)





- Cyan (89%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1402, 0.2306, 0.3376 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 32.1402, 0.2306, 0.3376 by changing the saturation by 10% instead.


 32.1402, 0.2306,
0.3376


 32.1402, 0.2306,
0.3376


311.7574, 0.2732,
0.3341


 21.4686, 0.2195,
0.3381


 63.0308, 0.2464,
0.3366

 13.4670, 0.2051,
0.3386


 84.0186, 0.2523,
0.3361


 7.7509, 0.1857,
0.3387


 109.2140, 0.2572,
0.3357

 3.9360, 0.1582,
0.3376

 139.0012, 0.2613,
0.3353

 1.6378, 0.1114,
0.3353

 173.7648, 0.2649,
0.3349

 0.3829, 0.0000,
0.2884

213.8891, 0.2680,

 0.0000, 0.0000,

0.3346

0.0000

259.7585, 0.2708,
0.3343

■ 32.1402, 0.2306,
0.3376

■ 32.1402, 0.2306,
0.3376

■ 31.9342, 0.2285,
0.3387

■ 32.4871, 0.2344,
0.3365

■ 31.8399, 0.2277,
0.3395

■ 32.9914, 0.2401,
0.3353

■ 33.6709, 0.2477,
0.3342

■ 34.5403, 0.2571,
0.3331

■ 35.6127, 0.2681,
0.3320

■ 36.9001, 0.2804,
0.3310

■ 38.4133, 0.2940,
0.3301

■ 40.1627, 0.3084,
0.3292

■ 42.1580, 0.3233,
0.3285

Harmonies

Analogous

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



32.1402, 0.2726, 0.3952



32.1402, 0.2306, 0.3376



32.1402, 0.2106, 0.2839

Triad

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



32.1402, 0.2306, 0.3376



32.1402, 0.2891, 0.2474



32.1402, 0.4190, 0.3998

Complementary

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



32.1402, 0.2306, 0.3376



9.6616, 0.5910, 0.3257

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.



32.1402, 0.4268, 0.3572



32.1402, 0.2306, 0.3376



32.1402, 0.3477, 0.2739

Square

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



32.1402, 0.2306, 0.3376



32.1402, 0.2418, 0.2383



32.1402, 0.4002, 0.3127



32.1402, 0.3817, 0.4294

Rectangle

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



32.1402, 0.2306, 0.3376



32.1402, 0.2107, 0.2586



32.1402, 0.4002, 0.3127



32.1402, 0.4253, 0.3864

Sweetspot

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



32.1414, 0.2306, 0.3376



65.4730, 0.2772, 0.3313



29.5950, 0.3033, 0.5782



14.4230, 0.2730, 0.3316



86.8899, 0.3127, 0.3290



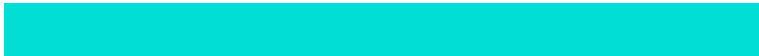
16.2647, 0.3127, 0.3290

Same Dimension

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



32.1414, 0.2306, 0.3376



57.0171, 0.2277, 0.3397



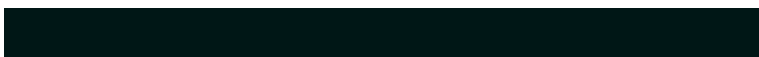
13.7561, 0.1950, 0.2041



9.0671, 0.2991, 0.3298



24.0045, 0.2276, 0.3394



0.6693, 0.2267, 0.3360

Inverse Universe

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



9.6616, 0.5910, 0.3257



15.5232, 0.6371, 0.3283



16.5749, 0.5133, 0.4065



8.0198, 0.3281, 0.3282



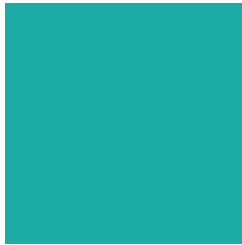
6.5385, 0.6353, 0.3273



0.1834, 0.6150, 0.3161

Previews

White Background



This preview shows how the Yxy color 32.1402, 0.2306, 0.3376 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 32.1402, 0.2306, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

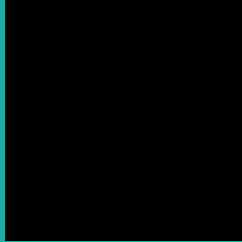
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1402, 0.2306, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 32.1402, 0.2306, 0.3376.

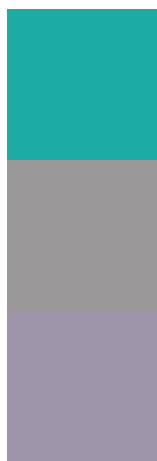


This preview shows how white text looks on a background with the Yxy color 32.1402, 0.2306, 0.3376.

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

32.1402, 0.2306, 0.3376

Protanopia

31.7581, 0.3139, 0.3260

Deuteranopia

31.8061, 0.3023, 0.2968



Tritanopia

32.2888, 0.2250, 0.3069

Trichromacy



Original Color

32.1402, 0.2306, 0.3376



Protanomaly

30.5161, 0.2695, 0.3305



Deuteranomaly

30.4233, 0.2633, 0.3093



Tritanomaly

32.3154, 0.2272, 0.3185

Monochromacy



Original Color

32.1402, 0.2306, 0.3376



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.1748, 0.2651, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1402, 0.2306, 0.3376 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(29, 171, 166)` looks like.

```
.text, #text, p{  
    color:rgb(29, 171, 166)  
}
```

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(29, 171, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 171, 166) }
```

Border

The CSS property to change the border of an element to Yxy 32.1402, 0.2306, 0.3376 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(29, 171, 166) }
```

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

```
.border{ border-color:rgb(29, 171, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 171, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 171, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 171, 166);  
box-shadow:4px 4px 4px 4px rgb(29, 171,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1402, 0.2306, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 171, 166) }
```

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

```
.background{ background-color: rgb(29, 171,  
166) }
```

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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