

Converting Colors

$Yxy(32.1336, 0.2349, 0.3557)$

Have a look what the booklet for
Yxy(32.1336, 0.2349, 0.3557)
contains.

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Color

Yxy(32.1336, 0.2349, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	18AC9D
RGB	24, 172, 157
RGB Percent	9%, 67%, 62%
CMY	0.9047, 0.3255, 0.3843
CMYK	0.86, 0.00, 0.09, 0.33
HSL	174°, 75%, 38%
HSV	174°, 86%, 67%
XYZ	21.2206, 32.1336, 36.9848
YIQ	126.0380, -83.3930, -36.0410

Conversions

Conversions Part 2

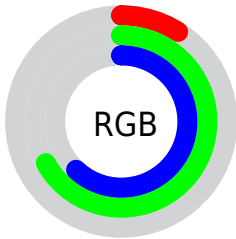
Format	Color
RYB	24, 102, 172
Decimal	1617053
CIELab	63.45, -39.14, -2.56
CIElCh	63, 39.228, 183.739
Yxy	32.1336, 0.2349, 0.3557
Android (android.graphics.Color)	4279807133 (0xFF18AC9D)
YUV	126.0380, 15.2643, -89.4873
Hunter-Lab	56.6865, -32.3798, 0.9971

Details

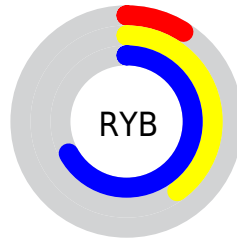
The Yxy color **32.1336, 0.2349, 0.3557** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.5843, 0.5874, 0.3178**, and the grayscale version is **20.8775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9567, 0.2503, 0.3512**, and **14.2343, 0.2339, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **31.9235, 0.2337, 0.3591**, and if you desaturate by 10%, it is **32.4788, 0.2378, 0.3523**.

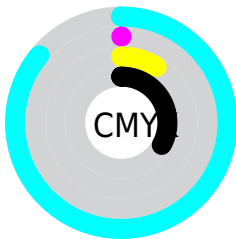
Distribution



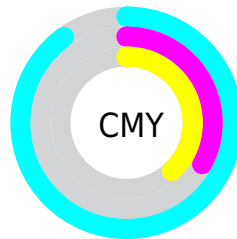
- Red (9%)
- Green (67%)
- Blue (62%)



- Red (9%)
- Yellow (40%)
- Blue (67%)



- Cyan (86%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)





- Cyan (90%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1336, 0.2349, 0.3557 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 32.1336, 0.2349, 0.3557 by changing the saturation by 10% instead.


 32.1336, 0.2349,
0.3557


 32.1336, 0.2349,
0.3557


311.7274, 0.2756,
0.3421


 21.4636, 0.2242,
0.3591


 63.0205, 0.2501,
0.3507

 13.4633, 0.2102,
0.3636

 84.0061, 0.2557,
0.3488

 7.7483, 0.1910,
0.3694


 109.1990, 0.2604,
0.3473

 3.9343, 0.1636,
0.3774

 138.9837, 0.2643,
0.3459

 1.6369, 0.1105,
0.3933

 173.7445, 0.2677,
0.3448

 0.3823, 0.0000,
0.3911

 213.8658, 0.2707,

 0.0000, 0.0000,

0.3437

0.0000

259.7319, 0.2733,
0.3429

■ 32.1336, 0.2349,
0.3557

■ 32.1336, 0.2349,
0.3557

■ 31.9235, 0.2337,
0.3591

■ 32.4788, 0.2378,
0.3523

■ 31.8534, 0.2335,
0.3605

■ 32.9786, 0.2425,
0.3488

■ 33.6522, 0.2491,
0.3454

■ 34.5148, 0.2574,
0.3421

■ 35.5802, 0.2674,
0.3389

■ 36.8608, 0.2788,
0.3359

■ 38.3680, 0.2913,
0.3330

■ 40.1124, 0.3046,
0.3304

■ 42.1041, 0.3185,
0.3280

Harmonies

Analogous

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



32.1336, 0.2847, 0.4146



32.1336, 0.2349, 0.3557



32.1336, 0.2071, 0.2942

Triad

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



32.1336, 0.2349, 0.3557



32.1336, 0.2716, 0.2375



32.1336, 0.4324, 0.3922

Complementary

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



32.1336, 0.2349, 0.3557



9.5843, 0.5874, 0.3178

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.



32.1336, 0.4312, 0.3453



32.1336, 0.2349, 0.3557



32.1336, 0.3326, 0.2610

Square

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



32.1336, 0.2349, 0.3557



32.1336, 0.2268, 0.2333



32.1336, 0.3933, 0.2990



32.1336, 0.3995, 0.4299

Rectangle

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



32.1336, 0.2349, 0.3557



32.1336, 0.2026, 0.2631



32.1336, 0.3933, 0.2990



32.1336, 0.4362, 0.3770

Sweetspot

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



32.1348, 0.2349, 0.3557



66.7267, 0.2781, 0.3360



30.0521, 0.3064, 0.5807



14.3248, 0.2742, 0.3370



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.



32.1348, 0.2349, 0.3557



57.7733, 0.2337, 0.3611



15.5246, 0.1978, 0.2192



9.0579, 0.2999, 0.3313



23.7110, 0.2334, 0.3602



0.6636, 0.2305, 0.3498

Inverse Universe

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



9.5843, 0.5874, 0.3178



15.9722, 0.6300, 0.3244



14.7100, 0.5366, 0.3924



8.0281, 0.3271, 0.3267



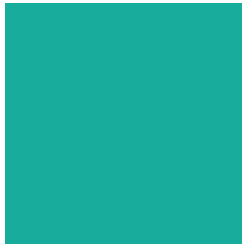
6.5621, 0.6259, 0.3222



0.1867, 0.5745, 0.2938

Previews

White Background



This preview shows how the Yxy color 32.1336, 0.2349, 0.3557 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 32.1336, 0.2349, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

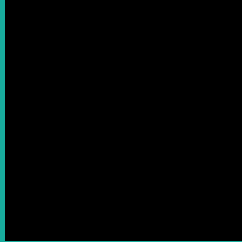
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

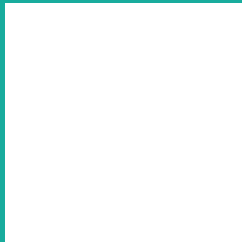
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.1336, 0.2349, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 32.1336, 0.2349, 0.3557.

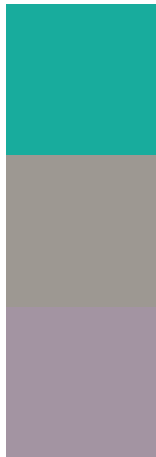


This preview shows how white text looks on a background with the Yxy color 32.1336, 0.2349, 0.3557.

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

32.1336, 0.2349, 0.3557

Protanopia

31.6999, 0.3235, 0.3382

Deuteranopia

31.5750, 0.3147, 0.3084



Tritanopia

32.0110, 0.2257, 0.3053

Trichromacy



Original Color

32.1336, 0.2349, 0.3557



Protanomaly

30.2495, 0.2755, 0.3442



Deuteranomaly

30.1627, 0.2707, 0.3239



Tritanomaly

31.8244, 0.2282, 0.3218

Monochromacy



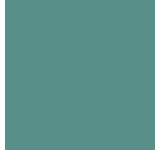
Original Color

32.1336, 0.2349, 0.3557



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.5749, 0.2664, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1336, 0.2349, 0.3557 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(24, 172, 157)` looks like.

```
.text, #text, p{  
    color:rgb(24, 172, 157)  
}
```

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(24, 172, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 172, 157) }
```

Border

The CSS property to change the border of an element to Yxy 32.1336, 0.2349, 0.3557 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(24, 172, 157) }
```

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

```
.border{ border-color:rgb(24, 172, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 172, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 172, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 172, 157);  
box-shadow:4px 4px 4px 4px rgb(24, 172,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1336, 0.2349, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 172, 157) }
```

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

```
.background{ background-color: rgb(24, 172,  
157) }
```

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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