

Converting Colors

$Yxy(21.9297, 0.2120, 0.3686)$

Have a look what the booklet for
Yxy(21.9297, 0.2120, 0.3686)
contains.

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Color

Yxy(23.1336, 0.2351, 0.3664)

Conversions

Conversions Part 1

Format	Color
Hex	009583
RGB	0, 149, 131
RGB Percent	0%, 58%, 51%
CMY	1.0000, 0.4157, 0.4862
CMYK	1.00, 0.00, 0.12, 0.42
HSL	173°, 100%, 29%
HSV	173°, 100%, 58%
XYZ	14.8436, 23.1336, 25.1603
YIQ	102.3970, -83.0260, -37.1860

Conversions

Conversions Part 2

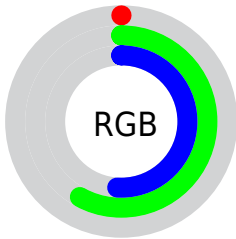
Format	Color
RYB	0, 79, 149
Decimal	38275
CIELab	55.21, -37.68, 0.05
CIELCh	55, 37.679, 179.930
Yxy	23.1336, 0.2351, 0.3664
Android (android.graphics.Color)	4278228355 (0xFF009583)
YUV	102.3970, 14.1013, -89.8022
Hunter-Lab	48.0974, -29.0825, 2.6529

Details

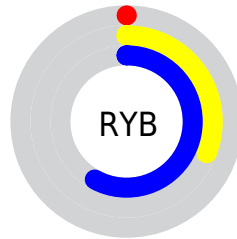
The Yxy color **23.1336, 0.2351, 0.3664** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.4336, 0.6223, 0.3202**, and the grayscale version is **13.3760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6727, 0.2517, 0.3584**, and **9.1586, 0.2376, 0.3753** is the 20% darker color. If you saturate the color by 10%, you get **23.1352, 0.2351, 0.3664**, and if you desaturate by 10%, it is **23.2852, 0.2360, 0.3623**.

Distribution



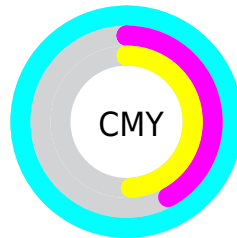
- Red (0%)
- Green (58%)
- Blue (51%)



- Red (0%)
- Yellow (31%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1336, 0.2351, 0.3664 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 23.1336, 0.2351, 0.3664 by changing the saturation by 10% instead.


 23.1336, 0.2351,
0.3664


 23.1336, 0.2351,
0.3664


268.4104, 0.2780,
0.3457


 14.6922, 0.2229,
0.3723


 48.6126, 0.2518,
0.3584


 8.6036, 0.2062,
0.3803


 66.4190, 0.2577,
0.3555


 4.4836, 0.1822,
0.3919

 88.1158, 0.2626,
0.3532

 1.9476, 0.1435,
0.4106

 114.0875, 0.2667,
0.3512

 0.5767, 0.0000,
0.4800

 144.7184, 0.2701,
0.3495

 0.0000, 0.0000,
0.0000

 180.3929, 0.2731,

0.3481

221.4955, 0.2757,
0.3468

■ 23.1336, 0.2351,
0.3664

■ 23.1336, 0.2351,
0.3664

■ 23.1352, 0.2351,
0.3664

■ 23.2852, 0.2360,
0.3623

■ 23.5076, 0.2381,
0.3582

■ 23.8366, 0.2420,
0.3541

■ 24.2855, 0.2478,
0.3500

■ 24.8657, 0.2553,
0.3460

■ 25.5872, 0.2645,
0.3422

■ 26.4590, 0.2750,
0.3385

■ 27.4894, 0.2868,
0.3351

■ 28.6860, 0.2994,
0.3319

Harmonies

Analogous

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



23.1336, 0.2902, 0.4276



23.1336, 0.2351, 0.3664



23.1336, 0.2026, 0.2987

Triad

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



23.1336, 0.2351, 0.3664



23.1336, 0.2614, 0.2301



23.1336, 0.4427, 0.3894

Complementary

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



23.1336, 0.2351, 0.3664



6.4336, 0.6223, 0.3202

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.



23.1336, 0.4366, 0.3391



23.1336, 0.2351, 0.3664



23.1336, 0.3250, 0.2526

Square

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



23.1336, 0.2351, 0.3664



23.1336, 0.2169, 0.2283



23.1336, 0.3916, 0.2911



23.1336, 0.4110, 0.4323

Rectangle

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



23.1336, 0.2351, 0.3664



23.1336, 0.1958, 0.2637



23.1336, 0.3916, 0.2911



23.1336, 0.4452, 0.3729

Sweetspot

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



23.1352, 0.2351, 0.3664



47.2789, 0.2744, 0.3387



21.6435, 0.3042, 0.5967



10.3404, 0.2702, 0.3401



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.1352, 0.2351, 0.3664



41.4121, 0.2353, 0.3672



10.2413, 0.1907, 0.2064



6.5503, 0.3005, 0.3317



19.4733, 0.2350, 0.3661



0.2411, 0.2295, 0.3461

Inverse Universe

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



6.4336, 0.6223, 0.3202



11.5064, 0.6256, 0.3220



9.0877, 0.5760, 0.3809



5.8261, 0.3264, 0.3264



5.4170, 0.6211, 0.3195



0.0685, 0.5499, 0.2803

Previews

White Background



This preview shows how the Yxy color 23.1336, 0.2351, 0.3664 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1336, 0.2351, 0.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

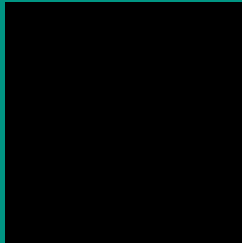
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1336, 0.2351, 0.3664

Background



This preview shows how black text looks on a background with the Yxy color 23.1336, 0.2351, 0.3664.

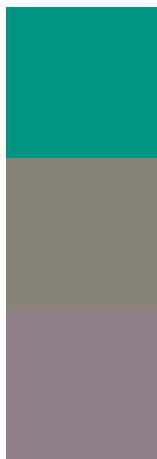


This preview shows how white text looks on a background with the Yxy color 23.1336, 0.2351, 0.3664.

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

23.1336, 0.2351, 0.3664

Protanopia

22.8473, 0.3295, 0.3466

Deuteranopia

22.9667, 0.3204, 0.3156



Tritanopia

23.1362, 0.2258, 0.3057

Trichromacy



Original Color

23.1336, 0.2351, 0.3664



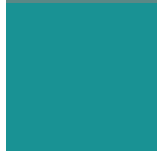
Protanomaly

21.6839, 0.2736, 0.3548



Deuteranomaly

21.5032, 0.2681, 0.3328



Tritanomaly

22.9026, 0.2272, 0.3248

Monochromacy



Original Color

23.1336, 0.2351, 0.3664



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.5097, 0.2598, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1336, 0.2351, 0.3664 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(0, 149, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 131)  
}
```

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(0, 149, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 131) }
```

Border

The CSS property to change the border of an element to Yxy 23.1336, 0.2351, 0.3664 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(0, 149, 131) }
```

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

```
.border{ border-color:rgb(0, 149, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1336, 0.2351, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 131) }
```

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

```
.background{ background-color: rgb(0, 149,  
131) }
```

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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