

Converting Colors

$Yxy(23.9074, 0.2149, 0.3652)$

Have a look what the booklet for
Yxy(23.9074, 0.2149, 0.3652)
contains.

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Color

Yxy(24.9173, 0.2342, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	009A89
RGB	0, 154, 137
RGB Percent	0%, 60%, 54%
CMY	1.0000, 0.3961, 0.4627
CMYK	1.00, 0.00, 0.11, 0.40
HSL	173°, 100%, 30%
HSV	173°, 100%, 60%
XYZ	16.0717, 24.9173, 27.6348
YIQ	106.0160, -86.3270, -37.9350

Conversions

Conversions Part 2

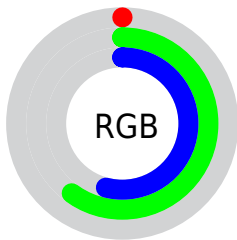
Format	Color
RYB	0, 81, 154
Decimal	39561
CIELab	56.99, -38.14, -0.77
CIELCh	57, 38.152, 181.164
Yxy	24.9173, 0.2342, 0.3631
Android (android.graphics.Color)	4278229641 (0xFF009A89)
YUV	106.0160, 15.2751, -92.9760
Hunter-Lab	49.9172, -29.8841, 2.1184

Details

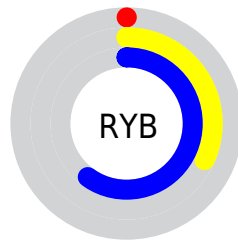
The Yxy color **24.9173, 0.2342, 0.3631** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.9108, 0.6247, 0.3215**, and the grayscale version is **14.3943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4425, 0.2508, 0.3563**, and **10.1909, 0.2370, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **24.9181, 0.2342, 0.3631**, and if you desaturate by 10%, it is **25.0724, 0.2351, 0.3594**.

Distribution



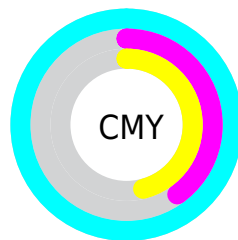
- Red (0%)
- Green (60%)
- Blue (54%)



- Red (0%)
- Yellow (32%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9173, 0.2342, 0.3631 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 24.9173, 0.2342, 0.3631 by changing the saturation by 10% instead.


 24.9173, 0.2342,
0.3631


 24.9173, 0.2342,
0.3631


 277.4258, 0.2770,
0.3446


 16.0155, 0.2222,
0.3682


 51.5230, 0.2507,
0.3560


 9.5351, 0.2061,
0.3751


 69.9957, 0.2566,
0.3535

 5.0918, 0.1832,
0.3847

 92.4274, 0.2615,
0.3514

 2.3012, 0.1486,
0.3990

 119.2026, 0.2656,
0.3496

 0.7744, 0.0000,
0.4632

 150.7057, 0.2691,
0.3481

 0.0000, 0.0000,
0.0000

 187.3209, 0.2721,

0.3468

229.4329, 0.2747,
0.3456

■ 24.9173, 0.2342,
0.3631

■ 24.9173, 0.2342,
0.3631

■ 24.9181, 0.2342,
0.3631

■ 25.0724, 0.2351,
0.3594

■ 25.3056, 0.2372,
0.3557

■ 25.6537, 0.2412,
0.3519

■ 26.1310, 0.2470,
0.3482

■ 26.7499, 0.2546,
0.3446

■ 27.5213, 0.2639,
0.3411

■ 28.4549, 0.2746,
0.3377

■ 29.5598, 0.2865,
0.3346

■ 30.8442, 0.2993,
0.3317

Harmonies

Analogous

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



24.9173, 0.2880, 0.4244



24.9173, 0.2342, 0.3631



24.9173, 0.2030, 0.2967

Triad

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



24.9173, 0.2342, 0.3631



24.9173, 0.2643, 0.2317



24.9173, 0.4406, 0.3908

Complementary

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



24.9173, 0.2342, 0.3631



6.9108, 0.6247, 0.3215

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.



24.9173, 0.4361, 0.3412



24.9173, 0.2342, 0.3631



24.9173, 0.3277, 0.2547

Square

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



24.9173, 0.2342, 0.3631



24.9173, 0.2193, 0.2290



24.9173, 0.3931, 0.2934



24.9173, 0.4081, 0.4325

Rectangle

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



24.9173, 0.2342, 0.3631



24.9173, 0.1970, 0.2627



24.9173, 0.3931, 0.2934



24.9173, 0.4436, 0.3746

Sweetspot

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



24.9182, 0.2342, 0.3631



51.5778, 0.2739, 0.3379



23.2400, 0.3034, 0.5973



11.5170, 0.2696, 0.3392



78.7412, 0.3127, 0.3290



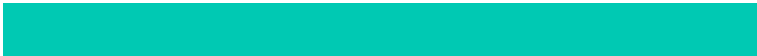
13.2868, 0.3127, 0.3290

Same Dimension

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



24.9182, 0.2342, 0.3631



45.2474, 0.2344, 0.3638



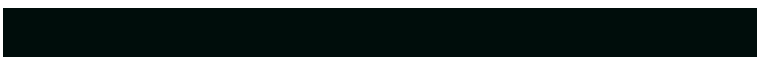
10.5125, 0.1890, 0.2002



7.0148, 0.3003, 0.3314



20.3044, 0.2341, 0.3628



0.3065, 0.2295, 0.3462

Inverse Universe

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



6.9108, 0.6247, 0.3215



12.5387, 0.6277, 0.3232



10.0023, 0.5719, 0.3841



6.2332, 0.3267, 0.3266



5.6330, 0.6234, 0.3208



0.0868, 0.5575, 0.2845

Previews

White Background



This preview shows how the Yxy color 24.9173, 0.2342, 0.3631 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 24.9173, 0.2342, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

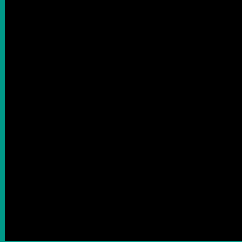
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9173, 0.2342, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 24.9173, 0.2342, 0.3631.



This preview shows how white text looks on a background with the Yxy color 24.9173, 0.2342, 0.3631.

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

24.9173, 0.2342, 0.3631

Protanopia

24.8033, 0.3278, 0.3443

Deuteranopia

24.6586, 0.3192, 0.3127



Tritanopia

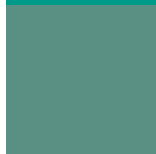
24.9082, 0.2249, 0.3045

Trichromacy



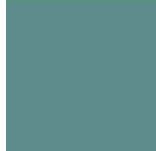
Original Color

24.9173, 0.2342, 0.3631



Protanomaly

23.4573, 0.2722, 0.3520



Deuteranomaly

23.0293, 0.2674, 0.3289



Tritanomaly

24.6730, 0.2265, 0.3230

Monochromacy



Original Color

24.9173, 0.2342, 0.3631



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.6436, 0.2593, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9173, 0.2342, 0.3631 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, 154, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 137)  
}
```

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, 154, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 137) }
```

Border

The CSS property to change the border of an element to Yxy 24.9173, 0.2342, 0.3631 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, 154, 137) }
```

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

```
.border{ border-color:rgb(0, 154, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9173, 0.2342, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 137) }
```

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

```
.background{ background-color: rgb(0, 154,  
137) }
```

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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