

Converting Colors

$Yxy(23.9404, 0.2289, 0.3439)$

Have a look what the booklet for
Yxy(23.9404, 0.2289, 0.3439)
contains.

Yxy(23.7959, 0.2286, 0.3429)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7959, 0.2286, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	00968F
RGB	0, 150, 143
RGB Percent	0%, 59%, 56%
CMY	0.9996, 0.4118, 0.4393
CMYK	1.00, 0.00, 0.05, 0.41
HSL	177°, 100%, 29%
HSV	177°, 100%, 59%
XYZ	15.8639, 23.7959, 29.7362
YIQ	104.3520, -87.1530, -33.9770

Conversions

Conversions Part 2

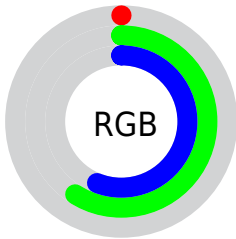
Format	Color
RYB	0, 77, 150
Decimal	38543
CIELab	55.88, -34.55, -5.82
CIELCh	56, 35.035, 189.568
Yxy	23.7959, 0.2286, 0.3429
Android (android.graphics.Color)	4278228623 (0xFF00968F)
YUV	104.3520, 19.0535, -91.5167
Hunter-Lab	48.7810, -27.3174, -1.9956

Details

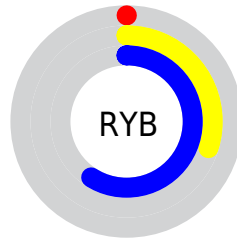
The Yxy color **23.7959, 0.2286, 0.3429** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.5021, 0.6336, 0.3265**, and the grayscale version is **13.9166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8177, 0.2461, 0.3403**, and **9.5257, 0.2288, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **23.7960, 0.2286, 0.3429**, and if you desaturate by 10%, it is **23.9199, 0.2300, 0.3414**.

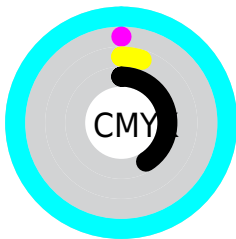
Distribution



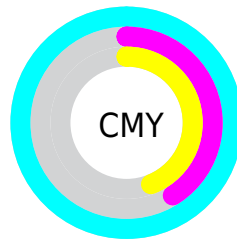
- Red (0%)
- Green (59%)
- Blue (56%)



- Red (0%)
- Yellow (30%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7959, 0.2286, 0.3429 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 23.7959, 0.2286, 0.3429 by changing the saturation by 10% instead.


 23.7959, 0.2286,
0.3429


 23.7959, 0.2286,
0.3429


271.7870, 0.2744,
0.3362

 15.1823, 0.2159,
0.3444


 49.6969, 0.2462,
0.3406


 8.9474, 0.1988,
0.3460


 67.7531, 0.2525,
0.3397

 4.7069, 0.1747,
0.3476


 89.7257, 0.2577,
0.3389

 2.0763, 0.1389,
0.3482

 115.9989, 0.2621,
0.3382

 0.6513, 0.0000,
0.3668

 146.9573, 0.2659,
0.3376

 0.0000, 0.0000,
0.0000

 182.9852, 0.2691,

0.3371

224.4669, 0.2719,
0.3366

■ 23.7959, 0.2286,
0.3429

■ 23.7959, 0.2286,
0.3429

■ 23.7960, 0.2286,
0.3429

■ 23.9199, 0.2300,
0.3414

■ 24.1166, 0.2327,
0.3399

■ 24.4208, 0.2371,
0.3384

■ 24.8463, 0.2434,
0.3369

■ 25.4043, 0.2514,
0.3354

■ 26.1052, 0.2612,
0.3340

■ 26.9581, 0.2724,
0.3326

■ 27.9713, 0.2850,
0.3313

■ 29.1528, 0.2985,
0.3301

Harmonies

Analogous

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



23.7959, 0.2743, 0.4038



23.7959, 0.2286, 0.3429



23.7959, 0.2058, 0.2847

Triad

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



23.7959, 0.2286, 0.3429



23.7959, 0.2830, 0.2417



23.7959, 0.4270, 0.4000

Complementary

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



23.7959, 0.2286, 0.3429



6.5021, 0.6336, 0.3265

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.



23.7959, 0.4329, 0.3544



23.7959, 0.2286, 0.3429



23.7959, 0.3447, 0.2681

Square

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



23.7959, 0.2286, 0.3429



23.7959, 0.2347, 0.2335



23.7959, 0.4019, 0.3079



23.7959, 0.3893, 0.4336

Rectangle

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



23.7959, 0.2286, 0.3429



23.7959, 0.2047, 0.2570



23.7959, 0.4019, 0.3079



23.7959, 0.4330, 0.3855

Sweetspot

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



23.7968, 0.2286, 0.3429



47.4654, 0.2716, 0.3327



21.8627, 0.3014, 0.5988



10.3866, 0.2672, 0.3332



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.



23.7968, 0.2286, 0.3429



41.9857, 0.2287, 0.3432



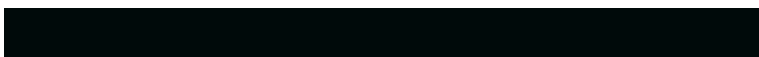
8.3203, 0.1826, 0.1774



6.5576, 0.2996, 0.3300



19.7365, 0.2286, 0.3428



0.2427, 0.2265, 0.3352

Inverse Universe

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



6.5021, 0.6336, 0.3265



11.4628, 0.6354, 0.3274



10.5655, 0.5526, 0.3994



5.8195, 0.3275, 0.3280



5.3919, 0.6331, 0.3261



0.0669, 0.6007, 0.3083

Previews

White Background



This preview shows how the Yxy color 23.7959, 0.2286, 0.3429 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 23.7959, 0.2286, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

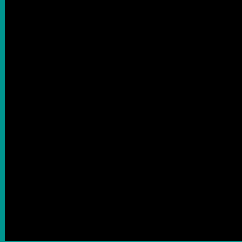
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7959, 0.2286, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 23.7959, 0.2286, 0.3429.



This preview shows how white text looks on a background with the Yxy color 23.7959, 0.2286, 0.3429.

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

23.7959, 0.2286, 0.3429

Protanopia

23.7028, 0.3161, 0.3290

Deuteranopia

23.6473, 0.3061, 0.3008



Tritanopia

24.0412, 0.2235, 0.3060

Trichromacy



Original Color

23.7959, 0.2286, 0.3429



Protanomaly

22.2976, 0.2638, 0.3327



Deuteranomaly

22.0905, 0.2577, 0.3118



Tritanomaly

23.9874, 0.2246, 0.3190

Monochromacy



Original Color

23.7959, 0.2286, 0.3429



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.1410, 0.2568, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7959, 0.2286, 0.3429 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, 150, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 143)  
}
```

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, 150, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 143) }
```

Border

The CSS property to change the border of an element to Yxy 23.7959, 0.2286, 0.3429 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, 150, 143) }
```

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

```
.border{ border-color:rgb(0, 150, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7959, 0.2286, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 143) }
```

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

```
.background{ background-color: rgb(0, 150,  
143) }
```

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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