

Converting Colors

$Yxy(23.3157, 0.2321, 0.3536)$

Have a look what the booklet for
Yxy(23.3157, 0.2321, 0.3536)
contains.

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Color

Yxy(23.3268, 0.2320, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	049589
RGB	4, 149, 137
RGB Percent	2%, 58%, 54%
CMY	0.9842, 0.4157, 0.4627
CMYK	0.97, 0.00, 0.08, 0.42
HSL	175°, 95%, 30%
HSV	175°, 97%, 58%
XYZ	15.3136, 23.3268, 27.3664
YIQ	104.2770, -82.5680, -34.4720

Conversions

Conversions Part 2

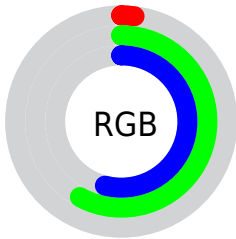
Format	Color
RYB	4, 80, 149
Decimal	300425
CIELab	55.41, -35.72, -3.10
CIELCh	55, 35.853, 184.961
Yxy	23.3268, 0.2320, 0.3534
Android (android.graphics.Color)	4278490505 (0xFF049589)
YUV	104.2770, 16.1324, -87.9429
Hunter-Lab	48.2978, -27.9250, 0.2137

Details

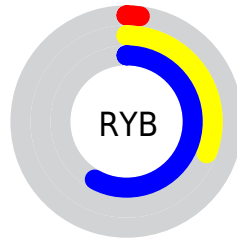
The Yxy color **23.3268, 0.2320, 0.3534** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.5146, 0.6224, 0.3236**, and the grayscale version is **13.8970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0273, 0.2494, 0.3493**, and **9.2375, 0.2331, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **23.2921, 0.2317, 0.3541**, and if you desaturate by 10%, it is **23.4750, 0.2333, 0.3507**.

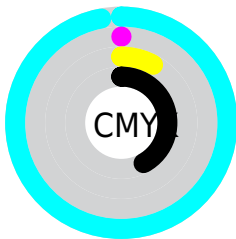
Distribution



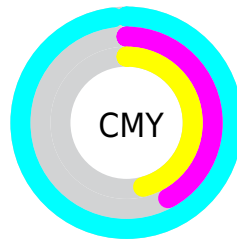
- Red (2%)
- Green (58%)
- Blue (54%)



- Red (2%)
- Yellow (31%)
- Blue (58%)



- Cyan (97%)
- Magenta (0%)
- Yellow (8%)
- Black (42%)




- Cyan (98%)
- Magenta (42%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3268, 0.2320, 0.3534 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 23.3268, 0.2320, 0.3534 by changing the saturation by 10% instead.


 23.3268, 0.2320,
0.3534


 23.3268, 0.2320,
0.3534


 269.3991, 0.2763,
0.3405


 14.8350, 0.2195,
0.3568


 48.9294, 0.2491,
0.3485


 8.7037, 0.2026,
0.3613


 66.8089, 0.2552,
0.3468


 4.5484, 0.1786,
0.3672

 88.5866, 0.2603,
0.3453

 1.9848, 0.1417,
0.3753

 114.6466, 0.2645,
0.3440

 0.5986, 0.0000,
0.4080

 145.3735, 0.2681,
0.3429

 0.0000, 0.0000,
0.0000

 181.1516, 0.2712,

0.3420

222.3653, 0.2739,
0.3412

■ 23.3268, 0.2320,
0.3534

■ 23.3268, 0.2320,
0.3534

■ 23.2921, 0.2317,
0.3541

■ 23.4750, 0.2333,
0.3507

■ 23.7104, 0.2362,
0.3479

■ 24.0559, 0.2409,
0.3452

■ 24.5240, 0.2474,
0.3425

■ 25.1258, 0.2557,
0.3398

■ 25.8709, 0.2656,
0.3373

■ 26.7682, 0.2768,
0.3348

■ 27.8257, 0.2893,
0.3325

■ 29.0510, 0.3026,
0.3304

Harmonies

Analogous

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



23.3268, 0.2818, 0.4143



23.3268, 0.2320, 0.3534



23.3268, 0.2049, 0.2913

Triad

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



23.3268, 0.2320, 0.3534



23.3268, 0.2732, 0.2368



23.3268, 0.4336, 0.3949

Complementary

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



23.3268, 0.2320, 0.3534



6.5146, 0.6224, 0.3236

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.



23.3268, 0.4340, 0.3473



23.3268, 0.2320, 0.3534



23.3268, 0.3356, 0.2613

Square

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



23.3268, 0.2320, 0.3534



23.3268, 0.2269, 0.2316



23.3268, 0.3968, 0.3003



23.3268, 0.3989, 0.4326

Rectangle

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



23.3268, 0.2320, 0.3534



23.3268, 0.2011, 0.2604



23.3268, 0.3968, 0.3003



23.3268, 0.4380, 0.3795

Sweetspot

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



23.3277, 0.2320, 0.3534



47.5444, 0.2741, 0.3354



21.6152, 0.3025, 0.5953



10.3971, 0.2697, 0.3363



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.



23.3277, 0.2320, 0.3534



41.6998, 0.2319, 0.3547



9.2737, 0.1877, 0.1931



6.5540, 0.3000, 0.3308



19.6054, 0.2317, 0.3540



0.2419, 0.2279, 0.3404

Inverse Universe

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



6.5146, 0.6224, 0.3236



11.4804, 0.6314, 0.3252



10.1145, 0.5553, 0.3935



5.8227, 0.3270, 0.3272



5.4028, 0.6278, 0.3232



0.0677, 0.5745, 0.2939

Previews

White Background



This preview shows how the Yxy color 23.3268, 0.2320, 0.3534 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 23.3268, 0.2320, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

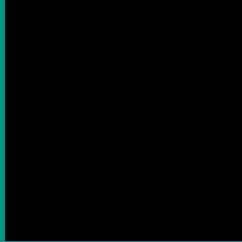
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3268, 0.2320, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 23.3268, 0.2320, 0.3534.

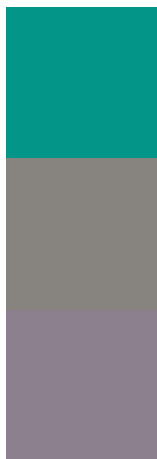


This preview shows how white text looks on a background with the Yxy color 23.3268, 0.2320, 0.3534.

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

23.3268, 0.2320, 0.3534

Protanopia

22.9158, 0.3217, 0.3360

Deuteranopia

22.9668, 0.3115, 0.3055



Tritanopia

23.4015, 0.2244, 0.3057

Trichromacy



Original Color

23.3268, 0.2320, 0.3534

Protanomaly

21.8419, 0.2685, 0.3426

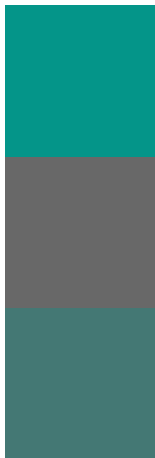
Deuteranomaly

21.7259, 0.2639, 0.3212

Tritanomaly

23.2636, 0.2264, 0.3228

Monochromacy



Original Color

23.3268, 0.2320, 0.3534

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.9228, 0.2600, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3268, 0.2320, 0.3534 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(4, 149, 137)` looks like.

```
.text, #text, p{  
    color:rgb(4, 149, 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(4, 149, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 149, 137) }
```

Border

The CSS property to change the border of an element to Yxy 23.3268, 0.2320, 0.3534 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(4, 149, 137) }
```

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

```
.border{ border-color:rgb(4, 149, 137) }
```

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

Here you see how a box with a 4 pixel rgb(4, 149, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 149, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 149, 137);  
box-shadow:4px 4px 4px 4px rgb(4, 149,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3268, 0.2320, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 149, 137) }
```

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

```
.background{ background-color: rgb(4, 149,  
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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