

Converting Colors

$Yxy(27.6656, 0.2325, 0.3058)$

Have a look what the booklet for
Yxy(27.6656, 0.2325, 0.3058)
contains.

Yxy(27.6656, 0.2325, 0.3058)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(27.6656, 0.2325, 0.3058)$

Conversions

Conversions Part 1

Format	Color
Hex	3E9CA9
RGB	62, 156, 169
RGB Percent	24%, 61%, 66%
CMY	0.7571, 0.3882, 0.3372
CMYK	0.63, 0.08, 0.00, 0.34
HSL	187°, 46%, 45%
HSV	187°, 63%, 66%
XYZ	21.0342, 27.6656, 41.7698
YIQ	129.3760, -60.1970, -15.8850

Conversions

Conversions Part 2

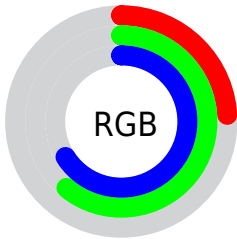
Format	Color
R_{YB}	62, 112, 169
Decimal	4103337
CIE _{Lab}	59.59, -23.36, -15.00
CIE _{LCh}	60, 27.766, 212.705
Yxy	27.6656, 0.2325, 0.3058
Android (android.graphics.Color)	4282293417 (0xFF3E9CA9)
YUV	129.3760, 19.5346, -59.0888
Hunter-Lab	52.5981, -20.6638, -10.2654

Details

The Yxy color **27.6656, 0.2325, 0.3058** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8079, 0.4970, 0.3476**, and the grayscale version is **22.0336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0353, 0.2484, 0.3119**, and **11.1850, 0.2153, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **26.5202, 0.2251, 0.3016**, and if you desaturate by 10%, it is **28.9945, 0.2417, 0.3099**.

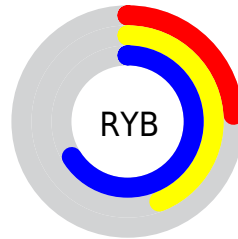
Distribution



Red (24%)

Green (61%)

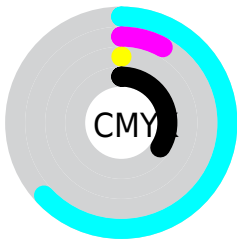
Blue (66%)



Red (24%)

Yellow (44%)

Blue (66%)

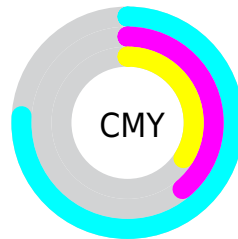


Cyan (63%)

Magenta (8%)

Yellow (0%)

Black (34%)



Cyan (76%)


Magenta (39%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6656, 0.2325, 0.3058 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 27.6656, 0.2325, 0.3058 by changing the saturation by 10% instead.


 27.6656, 0.2325,
0.3058


 27.6656, 0.2325,
0.3058


290.8656, 0.2748,
0.3195


 18.0737, 0.2213,
0.3016


 55.9501, 0.2484,
0.3113


 11.0029, 0.2065,
0.2956


 75.4115, 0.2542,
0.3133

 6.0688, 0.1863,
0.2866

 98.9316, 0.2591,
0.3148

 2.8870, 0.1574,
0.2719

 126.8948, 0.2632,
0.3161

 1.0730, 0.1014,
0.2482

 159.6853, 0.2667,
0.3171

 0.0000, 0.0000,
0.0000

197.6877, 0.2698,

0.3180

241.2863, 0.2725,
0.3188

■ 27.6656, 0.2325,
0.3058

■ 27.6656, 0.2325,
0.3058

■ 26.5202, 0.2251,
0.3016

■ 28.9945, 0.2417,
0.3099

■ 25.5388, 0.2196,
0.2974

■ 30.5182, 0.2526,
0.3140

■ 24.7029, 0.2159,
0.2933

■ 32.2506, 0.2649,
0.3178

■ 24.1973, 0.2140,
0.2905

■ 34.2032, 0.2783,
0.3215

■ 36.3870, 0.2927,
0.3249

■ 38.8118, 0.3076,
0.3280

■ 41.4873, 0.3229,
0.3309

■ 44.4222, 0.3382,
0.3334

■ 47.6251, 0.3534,
0.3357

Harmonies

Analogous

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



27.6656, 0.2554, 0.3509



27.6656, 0.2325, 0.3058



27.6656, 0.2295, 0.2721

Triad

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



27.6656, 0.2325, 0.3058



27.6656, 0.3265, 0.2760



27.6656, 0.3802, 0.4048

Complementary

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



27.6656, 0.2325, 0.3058



13.8079, 0.4970, 0.3476

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.



27.6656, 0.4029, 0.3779



27.6656, 0.2325, 0.3058



27.6656, 0.3713, 0.3057

Square

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



27.6656, 0.2325, 0.3058



27.6656, 0.2808, 0.2582



27.6656, 0.4001, 0.3420



27.6656, 0.3400, 0.4120

Rectangle

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



27.6656, 0.2325, 0.3058



27.6656, 0.2386, 0.2594



27.6656, 0.4001, 0.3420



27.6656, 0.3902, 0.3975

Sweetspot

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



27.6666, 0.2325, 0.3058



62.7671, 0.2840, 0.3229



29.9009, 0.2966, 0.5091



13.4526, 0.2801, 0.3219



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.6666, 0.2325, 0.3058



46.7535, 0.2227, 0.2999



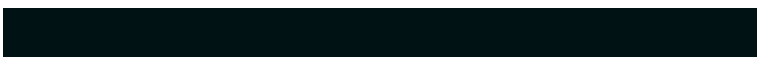
13.5852, 0.2089, 0.2028



8.3743, 0.2987, 0.3262



18.0849, 0.2142, 0.2909



0.4821, 0.2180, 0.3046

Inverse Universe

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



14.2759, 0.3378, 0.2002



21.7459, 0.3443, 0.1831



24.2127, 0.4371, 0.4243



7.6507, 0.3155, 0.3094



7.8967, 0.3535, 0.1721



0.1964, 0.3414, 0.1654

Previews

White Background



This preview shows how the Yxy color 27.6656, 0.2325, 0.3058 looks on a white background.

Color Contrast Check

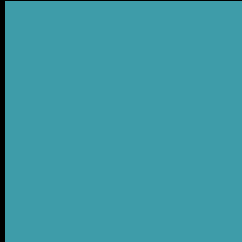
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6656, 0.2325, 0.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

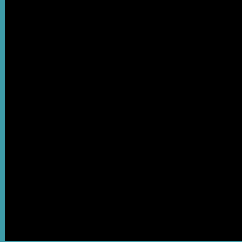
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

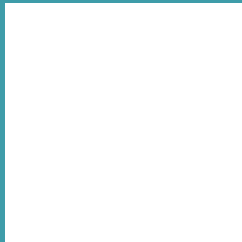
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.6656, 0.2325, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 27.6656, 0.2325, 0.3058.

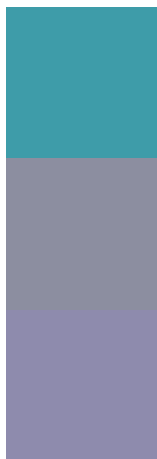


This preview shows how white text looks on a background with the Yxy color 27.6656, 0.2325, 0.3058.

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

27.6656, 0.2325, 0.3058

Protanopia

27.4595, 0.2935, 0.3003

Deuteranopia

27.2332, 0.2836, 0.2765



Tritanopia

27.6656, 0.2325, 0.3058

Trichromacy



Original Color

27.6656, 0.2325, 0.3058

Protanomaly

26.9565, 0.2657, 0.3019

Deuteranomaly

26.7401, 0.2593, 0.2844

Tritanomaly

27.6656, 0.2325, 0.3058

Monochromacy



Original Color

27.6656, 0.2325, 0.3058

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.4821, 0.2736, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6656, 0.2325, 0.3058 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(62, 156, 169)` looks like.

```
.text, #text, p{  
    color:rgb(62, 156, 169)  
}
```

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(62, 156, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 156, 169) }
```

Border

The CSS property to change the border of an element to Yxy 27.6656, 0.2325, 0.3058 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(62, 156, 169) }
```

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

```
.border{ border-color:rgb(62, 156, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 156, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 156, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 156, 169);  
box-shadow:4px 4px 4px 4px rgb(62, 156,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6656, 0.2325, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 156, 169) }
```

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

```
.background{ background-color: rgb(62, 156,  
169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor