

Converting Colors

$Yxy(22.7353, 0.2309, 0.3444)$

Have a look what the booklet for
Yxy(22.7353, 0.2309, 0.3444)
contains.

Yxy(22.8331, 0.2312, 0.3452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(22.8331, 0.2312, 0.3452)$

Conversions

Conversions Part 1

Format	Color
Hex	0F938B
RGB	15, 147, 139
RGB Percent	6%, 58%, 55%
CMY	0.9402, 0.4235, 0.4550
CMYK	0.90, 0.00, 0.05, 0.42
HSL	176°, 81%, 32%
HSV	176°, 90%, 58%
XYZ	15.2926, 22.8331, 28.0188
YIQ	106.6200, -76.1040, -30.4720

Conversions

Conversions Part 2

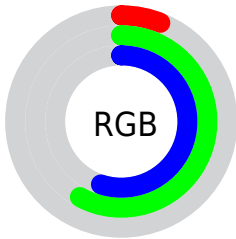
Format	Color
R_{YB}	15, 83, 147
Decimal	1020811
CIE _{Lab}	54.90, -33.66, -4.97
CIE _{LCh}	55, 34.021, 188.400
Yxy	22.8331, 0.2312, 0.3452
Android (android.graphics.Color)	4279210891 (0xFF0F938B)
YUV	106.6200, 15.9633, -80.3507
Hunter-Lab	47.7840, -26.4955, -1.3168

Details

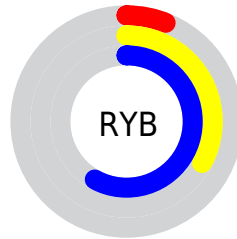
The Yxy color **22.8331, 0.2312, 0.3452** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.6149, 0.6052, 0.3238**, and the grayscale version is **14.5847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2710, 0.2486, 0.3434**, and **9.0870, 0.2306, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **22.7078, 0.2298, 0.3472**, and if you desaturate by 10%, it is **23.0319, 0.2338, 0.3432**.

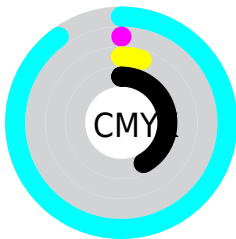
Distribution



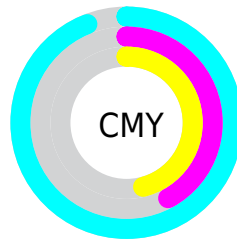
- Red (6%)
- Green (58%)
- Blue (55%)



- Red (6%)
- Yellow (33%)
- Blue (58%)



- Cyan (90%)
- Magenta (0%)
- Yellow (5%)
- Black (42%)





- Cyan (94%)
- Magenta (42%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8331, 0.2312, 0.3452 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 22.8331, 0.2312, 0.3452 by changing the saturation by 10% instead.


 22.8331, 0.2312,
0.3452


 22.8331, 0.2312,
0.3452


266.8666, 0.2759,
0.3370


 14.4703, 0.2186,
0.3471


 48.1191, 0.2485,
0.3423

 8.4485, 0.2016,
0.3495

 65.8112, 0.2546,
0.3411


 4.3832, 0.1773,
0.3522

 87.3818, 0.2597,
0.3402

 1.8902, 0.1401,
0.3549

 113.2153, 0.2640,
0.3394

 0.5425, 0.0000,
0.3664

 143.6961, 0.2677,
0.3387

 0.0000, 0.0000,
0.0000

 179.2087, 0.2708,

0.3381

220.1374, 0.2735,
0.3375

■ 22.8331, 0.2312,
0.3452

■ 22.8331, 0.2312,
0.3452

■ 22.7078, 0.2298,
0.3472

■ 23.0319, 0.2338,
0.3432

■ 22.7032, 0.2298,
0.3472

■ 23.3331, 0.2382,
0.3412

■ 23.7505, 0.2445,
0.3393

■ 24.2947, 0.2525,
0.3373

■ 24.9756, 0.2622,
0.3354

■ 25.8018, 0.2734,
0.3336

■ 26.7812, 0.2858,
0.3320

■ 27.9214, 0.2992,
0.3304

■ 29.2291, 0.3133,
0.3289

Harmonies

Analogous

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



22.8331, 0.2770, 0.4045



22.8331, 0.2312, 0.3452



22.8331, 0.2077, 0.2874

Triad

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



22.8331, 0.2312, 0.3452



22.8331, 0.2813, 0.2422



22.8331, 0.4262, 0.3975

Complementary

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



22.8331, 0.2312, 0.3452



6.6149, 0.6052, 0.3238

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.



22.8331, 0.4305, 0.3524



22.8331, 0.2312, 0.3452



22.8331, 0.3419, 0.2677

Square

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



22.8331, 0.2312, 0.3452



22.8331, 0.2344, 0.2350



22.8331, 0.3987, 0.3066



22.8331, 0.3902, 0.4312

Rectangle

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



22.8331, 0.2312, 0.3452



22.8331, 0.2059, 0.2594



22.8331, 0.3987, 0.3066



22.8331, 0.4316, 0.3831

Sweetspot

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



22.8340, 0.2312, 0.3452



46.5480, 0.2758, 0.3333



21.0967, 0.3031, 0.5867



10.5119, 0.2722, 0.3338



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.



22.8340, 0.2312, 0.3452



40.6501, 0.2299, 0.3476



9.5077, 0.1916, 0.1998



6.5562, 0.2997, 0.3303



19.6844, 0.2298, 0.3471



0.2424, 0.2270, 0.3372

Inverse Universe

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



6.6149, 0.6052, 0.3238



11.1345, 0.6339, 0.3266



10.9177, 0.5319, 0.4016



5.8208, 0.3273, 0.3277



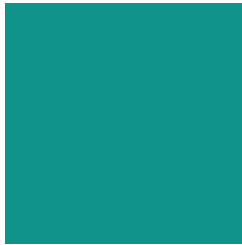
5.3961, 0.6310, 0.3250



0.0672, 0.5901, 0.3024

Previews

White Background



This preview shows how the Yxy color 22.8331, 0.2312, 0.3452 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 22.8331, 0.2312, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

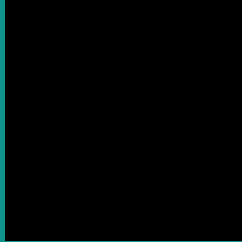
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8331, 0.2312, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 22.8331, 0.2312, 0.3452.



This preview shows how white text looks on a background with the Yxy color 22.8331, 0.2312, 0.3452.

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

22.8331, 0.2312, 0.3452

Protanopia

22.5368, 0.3173, 0.3308

Deuteranopia

22.4803, 0.3070, 0.3019



Tritanopia

22.7219, 0.2245, 0.3055

Trichromacy



Original Color

22.8331, 0.2312, 0.3452



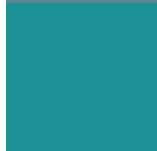
Protanomaly

21.4754, 0.2689, 0.3347



Deuteranomaly

21.3303, 0.2635, 0.3136



Tritanomaly

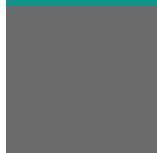
22.6997, 0.2263, 0.3188

Monochromacy



Original Color

22.8331, 0.2312, 0.3452



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

16.7068, 0.2633, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8331, 0.2312, 0.3452 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(15, 147, 139)` looks like.

```
.text, #text, p{  
    color:rgb(15, 147, 139)  
}
```

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(15, 147, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 147, 139) }
```

Border

The CSS property to change the border of an element to Yxy 22.8331, 0.2312, 0.3452 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(15, 147, 139) }
```

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

```
.border{ border-color:rgb(15, 147, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 147, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 147, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 147, 139);  
box-shadow:4px 4px 4px 4px rgb(15, 147,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8331, 0.2312, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 147, 139) }
```

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

```
.background{ background-color: rgb(15, 147,  
139) }
```

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