

Converting Colors

$Yxy(25.4093, 0.2124, 0.2844)$

Have a look what the booklet for
Yxy(25.4093, 0.2124, 0.2844)
contains.

Yxy(25.2743, 0.2122, 0.2835)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.2743, 0.2122, 0.2835)$

Conversions

Conversions Part 1

Format	Color
Hex	0197B0
RGB	1, 151, 176
RGB Percent	0%, 59%, 69%
CMY	0.9952, 0.4079, 0.3098
CMYK	0.99, 0.14, 0.00, 0.31
HSL	189°, 99%, 35%
HSV	189°, 99%, 69%
XYZ	18.9178, 25.2743, 44.9588
YIQ	109.0000, -97.4250, -24.0250

Conversions

Conversions Part 2

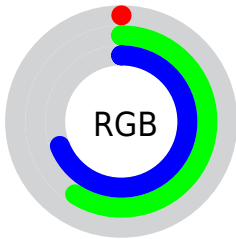
Format	Color
R_{YB}	1, 82, 176
Decimal	104368
CIE _{Lab}	57.34, -24.20, -22.48
CIE _{LCh}	57, 33.027, 222.892
Yxy	25.2743, 0.2122, 0.2835
Android (android.graphics.Color)	4278294448 (0xFF0197B0)
YUV	109.0000, 33.0310, -94.7160
Hunter-Lab	50.2736, -20.8095, -17.8306

Details

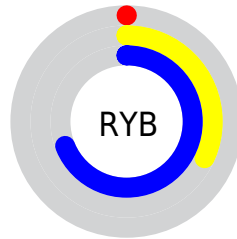
The Yxy color **25.2743, 0.2122, 0.2835** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.9826, 0.6248, 0.3411**, and the grayscale version is **15.2375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3485, 0.2319, 0.2943**, and **10.5444, 0.2084, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **25.2112, 0.2120, 0.2832**, and if you desaturate by 10%, it is **26.2233, 0.2154, 0.2885**.

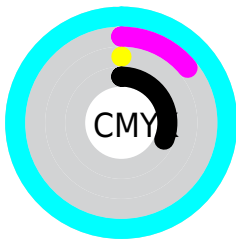
Distribution



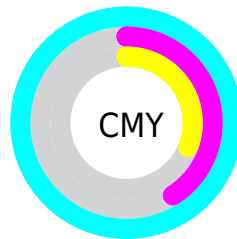
- Red (0%)
- Green (59%)
- Blue (69%)



- Red (0%)
- Yellow (32%)
- Blue (69%)



- Cyan (99%)
- Magenta (14%)
- Yellow (0%)
- Black (31%)




- Cyan (100%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2743, 0.2122, 0.2835 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 25.2743, 0.2122, 0.2835 by changing the saturation by 10% instead.


 25.2743, 0.2122,
0.2835


 25.2743, 0.2122,
0.2835


 279.2012, 0.2652,
0.3099


 16.2815, 0.1983,
0.2756


 52.1019, 0.2320,
0.2940

 9.7236, 0.1802,
0.2646


 70.7055, 0.2393,
0.2977


 5.2161, 0.1558,
0.2485

 93.2815, 0.2454,
0.3007

 2.3746, 0.1221,
0.2233

 120.2142, 0.2506,
0.3032

 0.8128, 0.0418,
0.1867

 151.8882, 0.2550,
0.3053

 0.0000, 0.0000,
0.0000

 188.6878, 0.2589,

0.3070

230.9973, 0.2622,
0.3086

■ 25.2743, 0.2122,
0.2835

■ 25.2743, 0.2122,
0.2835

■ 25.2112, 0.2120,
0.2832

■ 26.2233, 0.2154,
0.2885

■ 27.3060, 0.2200,
0.2935

■ 28.5625, 0.2266,
0.2985

■ 30.0127, 0.2350,
0.3035

■ 31.6740, 0.2451,
0.3084

■ 33.5615, 0.2569,
0.3131

■ 35.6888, 0.2699,
0.3176

■ 38.0684, 0.2839,
0.3218

■ 40.7121, 0.2986,
0.3257

Harmonies

Analogous

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



25.2743, 0.2312, 0.3357



25.2743, 0.2122, 0.2835



25.2743, 0.2169, 0.2506

Triad

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



25.2743, 0.2122, 0.2835



25.2743, 0.3489, 0.2759



25.2743, 0.3790, 0.4280

Complementary

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



25.2743, 0.2122, 0.2835



9.9826, 0.6248, 0.3411

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.



25.2743, 0.4162, 0.3999



25.2743, 0.2122, 0.2835



25.2743, 0.3997, 0.3144

Square

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



25.2743, 0.2122, 0.2835



25.2743, 0.2913, 0.2494



25.2743, 0.4249, 0.3583



25.2743, 0.3259, 0.4278

Rectangle

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



25.2743, 0.2122, 0.2835



25.2743, 0.2328, 0.2411



25.2743, 0.4249, 0.3583



25.2743, 0.3939, 0.4210

Sweetspot

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



25.2752, 0.2122, 0.2835



64.2280, 0.2682, 0.3170



31.1295, 0.2969, 0.5883



13.5688, 0.2628, 0.3152



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



25.2752, 0.2122, 0.2835



45.4643, 0.2118, 0.2823



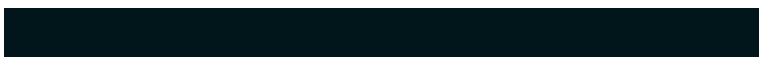
6.9588, 0.1665, 0.1187



9.4201, 0.2986, 0.3257



18.5615, 0.2121, 0.2837



0.6405, 0.2160, 0.2975

Inverse Universe

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



11.4917, 0.3602, 0.1761



20.7561, 0.3613, 0.1764



20.8039, 0.5010, 0.4398



8.6254, 0.3159, 0.3097



8.4139, 0.3601, 0.1757



0.2704, 0.3476, 0.1689

Previews

White Background



This preview shows how the Yxy color 25.2743, 0.2122, 0.2835 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 25.2743, 0.2122, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

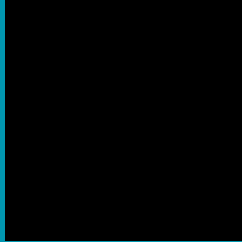
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2743, 0.2122, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 25.2743, 0.2122, 0.2835.

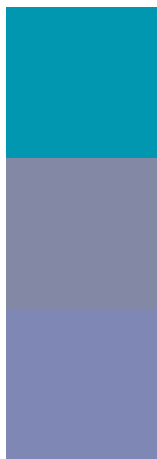


This preview shows how white text looks on a background with the Yxy color 25.2743, 0.2122, 0.2835.

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

25.2743, 0.2122, 0.2835

Protanopia

25.1502, 0.2796, 0.2818

Deuteranopia

25.1353, 0.2632, 0.2579



Tritanopia

25.1368, 0.2184, 0.3062

Trichromacy



Original Color

25.2743, 0.2122, 0.2835

Protanomaly

23.7991, 0.2388, 0.2793

Deuteranomaly

24.0538, 0.2306, 0.2635

Tritanomaly

25.2836, 0.2164, 0.2991

Monochromacy



Original Color

25.2743, 0.2122, 0.2835

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.4108, 0.2486, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2743, 0.2122, 0.2835 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(1, 151, 176)` looks like.

```
.text, #text, p{  
    color:rgb(1, 151, 176)  
}
```

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(1, 151, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 151, 176) }
```

Border

The CSS property to change the border of an element to Yxy 25.2743, 0.2122, 0.2835 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(1, 151, 176) }
```

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

```
.border{ border-color:rgb(1, 151, 176) }
```

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

Here you see how a box with a 4 pixel rgb(1, 151, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 151, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 151, 176);  
box-shadow:4px 4px 4px 4px rgb(1, 151,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2743, 0.2122, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 151, 176) }
```

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

```
.background{ background-color: rgb(1, 151,  
176) }
```

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