

Converting Colors

$Y_{xy}(24.2855, 0.2334, 0.3259)$

Have a look what the booklet for
Yxy(24.2855, 0.2334, 0.3259)
contains.

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Color

Yxy(24.2871, 0.2330, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	2D9597
RGB	45, 149, 151
RGB Percent	18%, 58%, 59%
CMY	0.8233, 0.4157, 0.4078
CMYK	0.70, 0.01, 0.00, 0.41
HSL	181°, 54%, 38%
HSV	181°, 70%, 59%
XYZ	17.4173, 24.2871, 33.0481
YIQ	118.1320, -62.6260, -21.4260

Conversions

Conversions Part 2

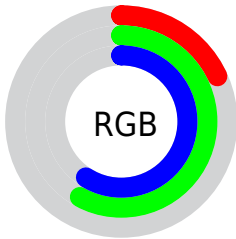
Format	Color
R_{YB}	45, 97, 151
Decimal	2987415
CIE _{Lab}	56.37, -27.96, -9.63
CIE _{LCh}	56, 29.568, 198.997
Yxy	24.2871, 0.2330, 0.3249
Android (android.graphics.Color)	4281177495 (0xFF2D9597)
YUV	118.1320, 16.2039, -64.1368
Hunter-Lab	49.2819, -23.1575, -5.2621




Details

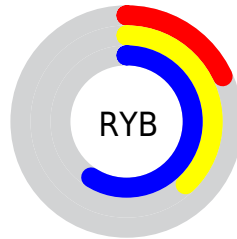
The Yxy color **24.2871, 0.2330, 0.3249** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.8076, 0.5380, 0.3323**, and the grayscale version is **18.1288, 0.3127, 0.3290**.




A 20% lighter version of the original color is **50.7193, 0.2497, 0.3274**, and **9.6555, 0.2231, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **23.9139, 0.2281, 0.3243**, and if you desaturate by 10%, it is **24.7849, 0.2397, 0.3255**.

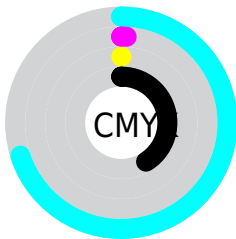
Distribution







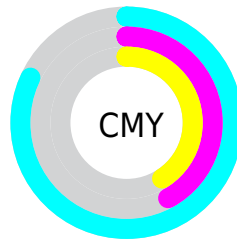
-  Red (18%)
-  Green (58%)
-  Blue (59%)






-  Red (18%)
-  Yellow (38%)
-  Blue (59%)



-  Cyan (70%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (41%)





-  Cyan (82%)
-  Magenta (42%)
-  Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2871, 0.2330, 0.3249 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 24.2871, 0.2330, 0.3249 by changing the saturation by 10% instead.


 24.2871, 0.2330,
0.3249


 24.2871, 0.2330,
0.3249


274.2688, 0.2761,
0.3283


 15.5467, 0.2211,
0.3234

 50.4983, 0.2495,
0.3265

 9.2040, 0.2052,
0.3211

 68.7379, 0.2554,
0.3270


 4.8745, 0.1830,
0.3169

 90.9127, 0.2603,
0.3274

 2.1738, 0.1500,
0.3086

 117.4072, 0.2645,
0.3277

 0.7057, 0.0000,
0.3165

 148.6056, 0.2680,
0.3279

 0.0000, 0.0000,
0.0000

184.8924, 0.2711,

0.3280

226.6520, 0.2738,
0.3282

■ 24.2871, 0.2330,
0.3249

■ 24.2871, 0.2330,
0.3249

■ 23.9139, 0.2281,
0.3243

■ 24.7849, 0.2397,
0.3255

■ 23.6489, 0.2250,
0.3237

■ 25.4163, 0.2483,
0.3262

■ 23.4601, 0.2231,
0.3231

■ 26.1926, 0.2585,
0.3268

■ 27.1232, 0.2703,
0.3274

■ 28.2166, 0.2834,
0.3279

■ 29.4808, 0.2976,
0.3285

■ 30.9232, 0.3125,
0.3290

■ 32.5507, 0.3279,
0.3295

■ 34.3701, 0.3435,
0.3299

Harmonies

Analogous

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



24.2871, 0.2669, 0.3764



24.2871, 0.2330, 0.3249



24.2871, 0.2197, 0.2803

Triad

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



24.2871, 0.2330, 0.3249



24.2871, 0.3038, 0.2598



24.2871, 0.4020, 0.4008

Complementary

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



24.2871, 0.2330, 0.3249



8.8076, 0.5380, 0.3323

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.



24.2871, 0.4154, 0.3647



24.2871, 0.2330, 0.3249



24.2871, 0.3562, 0.2870

Square

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



24.2871, 0.2330, 0.3249



24.2871, 0.2578, 0.2476



24.2871, 0.3985, 0.3241



24.2871, 0.3645, 0.4213

Rectangle

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



24.2871, 0.2330, 0.3249



24.2871, 0.2231, 0.2604



24.2871, 0.3985, 0.3241



24.2871, 0.4096, 0.3899

Sweetspot

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



24.2880, 0.2330, 0.3249



50.2679, 0.2817, 0.3279



22.8967, 0.3016, 0.5454



11.3086, 0.2783, 0.3277



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.2880, 0.2330, 0.3249



42.5417, 0.2262, 0.3239



11.2080, 0.2054, 0.2117



7.0065, 0.2989, 0.3285



19.9627, 0.2231, 0.3231



0.3039, 0.2238, 0.3258

Inverse Universe

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



10.6308, 0.3229, 0.1795



16.6452, 0.3245, 0.1636



15.8448, 0.4650, 0.4145



6.3216, 0.3140, 0.3075



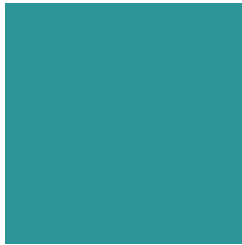
7.4206, 0.3256, 0.1567



0.1115, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 24.2871, 0.2330, 0.3249 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 24.2871, 0.2330, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

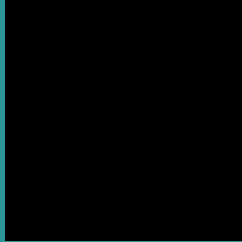
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2871, 0.2330, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 24.2871, 0.2330, 0.3249.

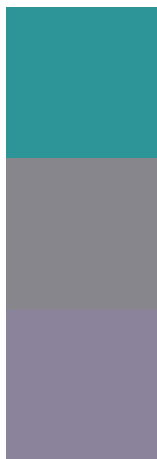


This preview shows how white text looks on a background with the Yxy color 24.2871, 0.2330, 0.3249.

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

24.2871, 0.2330, 0.3249

Protanopia

24.1242, 0.3066, 0.3171

Deuteranopia

24.0024, 0.2958, 0.2896



Tritanopia

24.3960, 0.2291, 0.3063

Trichromacy



Original Color

24.2871, 0.2330, 0.3249



Protanomaly

23.3344, 0.2701, 0.3179



Deuteranomaly

23.4531, 0.2642, 0.3003



Tritanomaly

24.2425, 0.2301, 0.3117

Monochromacy



Original Color

24.2871, 0.2330, 0.3249



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

19.5364, 0.2710, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2871, 0.2330, 0.3249 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(45, 149, 151)` looks like.

```
.text, #text, p{  
    color:rgb(45, 149, 151)  
}
```

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(45, 149, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 149, 151) }
```

Border

The CSS property to change the border of an element to Yxy 24.2871, 0.2330, 0.3249 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(45, 149, 151) }
```

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

```
.border{ border-color:rgb(45, 149, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 149, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 149, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 149, 151);  
box-shadow:4px 4px 4px 4px rgb(45, 149,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2871, 0.2330, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 149, 151) }
```

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

```
.background{ background-color: rgb(45, 149,  
151) }
```

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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