

Converting Colors

$Y_{xy}(26.8577, 0.2313, 0.3228)$

Have a look what the booklet for
Yxy(26.8577, 0.2313, 0.3228)
contains.

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Color

Yxy(26.8380, 0.2316, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	2D9C9F
RGB	45, 156, 159
RGB Percent	18%, 61%, 62%
CMY	0.8232, 0.3883, 0.3765
CMYK	0.72, 0.02, 0.00, 0.38
HSL	182°, 56%, 40%
HSV	182°, 72%, 62%
XYZ	19.2317, 26.8380, 36.9687
YIQ	123.1530, -67.1190, -22.5990

Conversions

Conversions Part 2

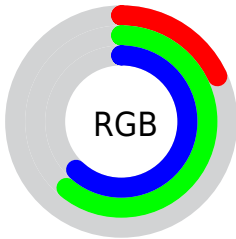
Format	Color
R_{YB}	45, 101, 159
Decimal	2989215
CIE _{Lab}	58.82, -28.98, -10.52
CIE _{LCh}	59, 30.830, 199.949
Yxy	26.8380, 0.2316, 0.3232
Android (android.graphics.Color)	4281179295 (0xFF2D9C9F)
YUV	123.1530, 17.6726, -68.5402
Hunter-Lab	51.8054, -24.3950, -6.0460

Details

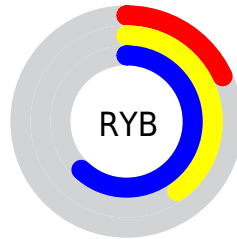
The Yxy color **26.8380, 0.2316, 0.3232** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.6838, 0.5452, 0.3334**, and the grayscale version is **19.8266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6948, 0.2478, 0.3248**, and **10.9833, 0.2217, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **26.4024, 0.2269, 0.3223**, and if you desaturate by 10%, it is **27.4120, 0.2381, 0.3241**.

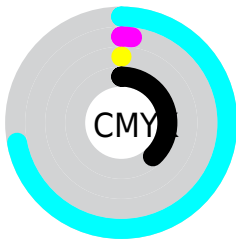
Distribution



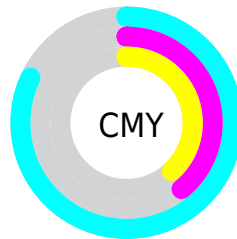
- Red (18%)
- Green (61%)
- Blue (62%)



- Red (18%)
- Yellow (40%)
- Blue (62%)



- Cyan (72%)
- Magenta (2%)
- Yellow (0%)
- Black (38%)





- Cyan (82%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8380, 0.2316, 0.3232 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 26.8380, 0.2316, 0.3232 by changing the saturation by 10% instead.


 26.8380, 0.2316,
0.3232


 26.8380, 0.2316,
0.3232


286.8719, 0.2747,
0.3275


 17.4516, 0.2200,
0.3215


 54.6238, 0.2479,
0.3252


 10.5570, 0.2047,
0.3189


 73.7920, 0.2538,
0.3258


 5.7698, 0.1835,
0.3144

 96.9895, 0.2588,
0.3263

 2.7056, 0.1529,
0.3061

 124.6009, 0.2630,
0.3266

 0.9800, 0.0677,
0.3002

 157.0104, 0.2665,
0.3269

 0.0000, 0.0000,
0.0000

194.6025, 0.2696,

0.3272

237.7615, 0.2724,
0.3274

■ 26.8380, 0.2316,
0.3232

■ 26.8380, 0.2316,
0.3232

■ 26.4024, 0.2269,
0.3223

■ 27.4120, 0.2381,
0.3241

■ 26.0860, 0.2240,
0.3215

■ 28.1352, 0.2465,
0.3249

■ 25.8813, 0.2224,
0.3208

■ 29.0204, 0.2566,
0.3258

■ 30.0784, 0.2682,
0.3266

■ 31.3192, 0.2812,
0.3274

■ 32.7518, 0.2953,
0.3282

■ 34.3848, 0.3102,
0.3289

■ 36.2261, 0.3256,
0.3295

■ 38.2833, 0.3413,
0.3301

Harmonies

Analogous

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



26.8380, 0.2651, 0.3753



26.8380, 0.2316, 0.3232



26.8380, 0.2190, 0.2787

Triad

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



26.8380, 0.2316, 0.3232



26.8380, 0.3054, 0.2599



26.8380, 0.4018, 0.4023

Complementary

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



26.8380, 0.2316, 0.3232



9.6838, 0.5452, 0.3334

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.



26.8380, 0.4163, 0.3662



26.8380, 0.2316, 0.3232



26.8380, 0.3582, 0.2877

Square

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



26.8380, 0.2316, 0.3232



26.8380, 0.2586, 0.2471



26.8380, 0.4003, 0.3253



26.8380, 0.3634, 0.4223

Rectangle

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



26.8380, 0.2316, 0.3232



26.8380, 0.2229, 0.2591



26.8380, 0.4003, 0.3253



26.8380, 0.4098, 0.3914

Sweetspot

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



26.8390, 0.2316, 0.3232



56.1445, 0.2816, 0.3275



25.5627, 0.3014, 0.5504



12.5203, 0.2781, 0.3273



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



26.8390, 0.2316, 0.3232



46.9184, 0.2250, 0.3218



12.2066, 0.2032, 0.2081



7.4794, 0.2988, 0.3284



20.4510, 0.2225, 0.3209



0.3741, 0.2234, 0.3242

Inverse Universe

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



11.6555, 0.3244, 0.1780



18.3330, 0.3264, 0.1631



17.4516, 0.4696, 0.4156



6.7516, 0.3141, 0.3075



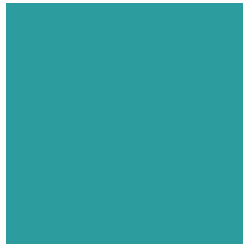
7.6868, 0.3275, 0.1578



0.1383, 0.3246, 0.1562

Previews

White Background



This preview shows how the Yxy color 26.8380, 0.2316, 0.3232 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 26.8380, 0.2316, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

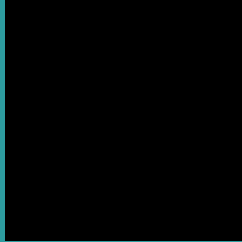
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8380, 0.2316, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 26.8380, 0.2316, 0.3232.

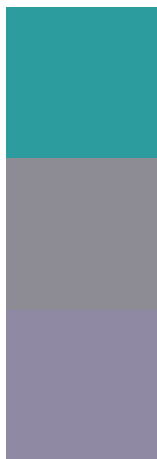


This preview shows how white text looks on a background with the Yxy color 26.8380, 0.2316, 0.3232.

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

26.8380, 0.2316, 0.3232

Protanopia

26.5888, 0.3049, 0.3144

Deuteranopia

26.3753, 0.2935, 0.2880



Tritanopia

26.9108, 0.2284, 0.3071

Trichromacy



Original Color

26.8380, 0.2316, 0.3232

Protanomaly

25.9218, 0.2684, 0.3166

Deuteranomaly

25.6810, 0.2617, 0.2980

Tritanomaly

26.7514, 0.2293, 0.3124

Monochromacy



Original Color

26.8380, 0.2316, 0.3232

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.5384, 0.2706, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8380, 0.2316, 0.3232 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, 156, 159)` looks like.

```
.text, #text, p{  
    color:rgb(45, 156, 159)  
}
```

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, 156, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 156, 159) }
```

Border

The CSS property to change the border of an element to Yxy 26.8380, 0.2316, 0.3232 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, 156, 159) }
```

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

```
.border{ border-color:rgb(45, 156, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 156, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 156, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 156, 159);  
box-shadow:4px 4px 4px 4px rgb(45, 156,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8380, 0.2316, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 156, 159) }
```

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

```
.background{ background-color: rgb(45, 156,  
159) }
```

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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