

Converting Colors

$Y_{xy}(26.8073, 0.2322, 0.3284)$

Have a look what the booklet for
Yxy(26.8073, 0.2322, 0.3284)
contains.

Yxy(26.7035, 0.2317, 0.3269)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.7035, 0.2317, 0.3269)

Conversions

Conversions Part 1

Format	Color
Hex	2A9C9D
RGB	42, 156, 157
RGB Percent	16%, 61%, 62%
CMY	0.8356, 0.3882, 0.3843
CMYK	0.73, 0.01, 0.00, 0.38
HSL	181°, 58%, 39%
HSV	181°, 73%, 62%
XYZ	18.9269, 26.7035, 36.0567
YIQ	122.0280, -68.2650, -23.8570

Conversions

Conversions Part 2

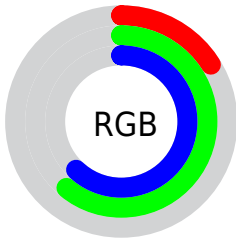
Format	Color
RYB	42, 99, 157
Decimal	2792605
CIELab	58.70, -30.00, -9.58
CIElCh	59, 31.492, 197.706
Yxy	26.7035, 0.2317, 0.3269
Android (android.graphics.Color)	4280982685 (0xFF2A9C9D)
YUV	122.0280, 17.2412, -70.1846
Hunter-Lab	51.6754, -25.0537, -5.1970

Details

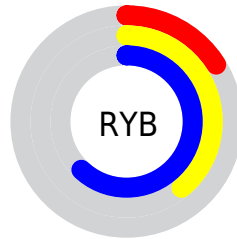
The Yxy color **26.7035, 0.2317, 0.3269** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.0574, 0.5547, 0.3309**, and the grayscale version is **19.4249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4175, 0.2484, 0.3288**, and **10.9412, 0.2231, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **26.3908, 0.2275, 0.3266**, and if you desaturate by 10%, it is **27.1479, 0.2377, 0.3272**.

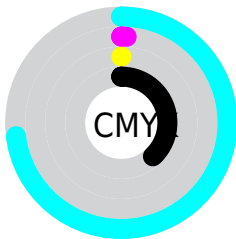
Distribution



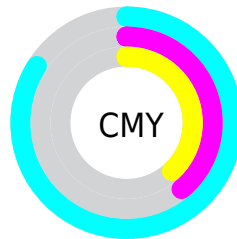
- Red (16%)
- Green (61%)
- Blue (62%)



- Red (16%)
- Yellow (39%)
- Blue (62%)



- Cyan (73%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)





- Cyan (84%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7035, 0.2317, 0.3269 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 26.7035, 0.2317, 0.3269 by changing the saturation by 10% instead.


 26.7035, 0.2317,
0.3269


 26.7035, 0.2317,
0.3269


286.2186, 0.2749,
0.3292


 17.3507, 0.2201,
0.3258


 54.4077, 0.2480,
0.3281


 10.4848, 0.2047,
0.3239


 73.5279, 0.2540,
0.3284

 5.7216, 0.1834,
0.3206

 96.6726, 0.2589,
0.3287

 2.6765, 0.1524,
0.3139

 124.2263, 0.2631,
0.3288

 0.9653, 0.0594,
0.3134

 156.5734, 0.2667,
0.3290

 0.0000, 0.0000,
0.0000

194.0982, 0.2698,

0.3291

237.1851, 0.2725,
0.3291

■ 26.7035, 0.2317,
0.3269

■ 26.7035, 0.2317,
0.3269

■ 26.3908, 0.2275,
0.3266

■ 27.1479, 0.2377,
0.3272

■ 26.1905, 0.2251,
0.3263

■ 27.7346, 0.2455,
0.3275

■ 26.0920, 0.2239,
0.3262

■ 28.4763, 0.2552,
0.3278

■ 29.3838, 0.2664,
0.3281

■ 30.4666, 0.2791,
0.3284

■ 31.7339, 0.2930,
0.3287

■ 33.1938, 0.3077,
0.3289

■ 34.8542, 0.3231,
0.3292

■ 36.7226, 0.3387,
0.3294

Harmonies

Analogous

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



26.7035, 0.2673, 0.3801



26.7035, 0.2317, 0.3269



26.7035, 0.2172, 0.2803

Triad

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



26.7035, 0.2317, 0.3269



26.7035, 0.3012, 0.2570



26.7035, 0.4059, 0.4014

Complementary

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



26.7035, 0.2317, 0.3269



9.0574, 0.5547, 0.3309

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.



26.7035, 0.4186, 0.3637



26.7035, 0.2317, 0.3269



26.7035, 0.3553, 0.2843

Square

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



26.7035, 0.2317, 0.3269



26.7035, 0.2545, 0.2452



26.7035, 0.3999, 0.3220



26.7035, 0.3679, 0.4238

Rectangle

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



26.7035, 0.2317, 0.3269



26.7035, 0.2200, 0.2593



26.7035, 0.3999, 0.3220



26.7035, 0.4134, 0.3899

Sweetspot

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



26.7045, 0.2317, 0.3269



54.7438, 0.2803, 0.3284



24.7729, 0.3020, 0.5572



11.9322, 0.2770, 0.3283



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



26.7045, 0.2317, 0.3269



47.0094, 0.2258, 0.3264



11.9373, 0.2023, 0.2091



7.4996, 0.2988, 0.3288



21.1931, 0.2239, 0.3262



0.3817, 0.2242, 0.3273

Inverse Universe

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



11.2198, 0.3215, 0.1740



17.7959, 0.3226, 0.1597



16.3473, 0.4764, 0.4136



6.7536, 0.3139, 0.3071



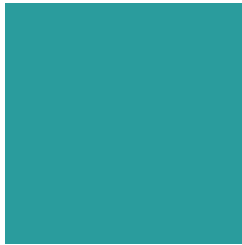
7.7617, 0.3230, 0.1553



0.1391, 0.3221, 0.1548

Previews

White Background



This preview shows how the Yxy color 26.7035, 0.2317, 0.3269 looks on a white background.

Color Contrast Check

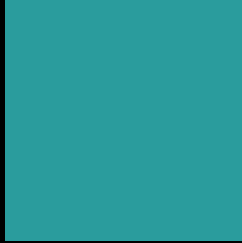
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7035, 0.2317, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

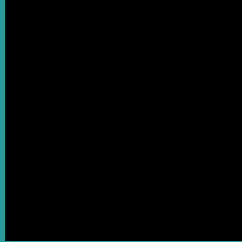
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7035, 0.2317, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 26.7035, 0.2317, 0.3269.

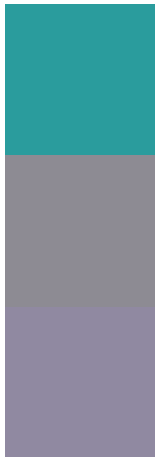


This preview shows how white text looks on a background with the Yxy color 26.7035, 0.2317, 0.3269.

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

26.7035, 0.2317, 0.3269

Protanopia

26.2345, 0.3069, 0.3159

Deuteranopia

26.3938, 0.2965, 0.2911



Tritanopia

26.5542, 0.2276, 0.3052

Trichromacy



Original Color

26.7035, 0.2317, 0.3269

Protanomaly

25.4884, 0.2689, 0.3183

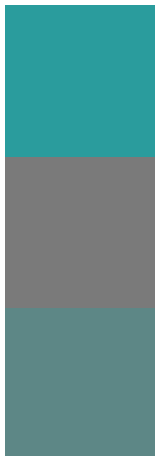
Deuteranomaly

25.6104, 0.2633, 0.3013

Tritanomaly

26.6679, 0.2292, 0.3141

Monochromacy



Original Color

26.7035, 0.2317, 0.3269

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.1266, 0.2695, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7035, 0.2317, 0.3269 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(42, 156, 157)` looks like.

```
.text, #text, p{  
    color:rgb(42, 156, 157)  
}
```

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(42, 156, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 156, 157) }
```

Border

The CSS property to change the border of an element to Yxy 26.7035, 0.2317, 0.3269 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(42, 156, 157) }
```

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

```
.border{ border-color:rgb(42, 156, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 156, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 156, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 156, 157);  
box-shadow:4px 4px 4px 4px rgb(42, 156,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7035, 0.2317, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 156, 157) }
```

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

```
.background{ background-color: rgb(42, 156,  
157) }
```

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