

Converting Colors

$Yxy(28.4326, 0.2272, 0.3277)$

Have a look what the booklet for
 $Y_{xy}(28.4326, 0.2272, 0.3277)$
contains.

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Color

$Y_{xy}(28.2926, 0.2270, 0.3269)$

Conversions

Conversions Part 1

Format	Color
Hex	18A1A2
RGB	24, 161, 162
RGB Percent	9%, 63%, 64%
CMY	0.9051, 0.3686, 0.3647
CMYK	0.85, 0.01, 0.00, 0.36
HSL	180°, 74%, 37%
HSV	180°, 85%, 64%
XYZ	19.6464, 28.2926, 38.6091
YIQ	120.1510, -81.9730, -28.7330

Conversions

Conversions Part 2

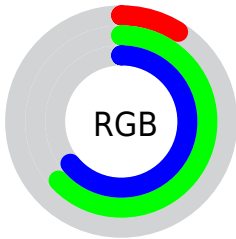
Format	Color
R_{YB}	24, 93, 162
Decimal	1614242
CIE _{Lab}	60.15, -32.61, -10.26
CIE _{LCh}	60, 34.187, 197.470
Yxy	28.2926, 0.2270, 0.3269
Android (android.graphics.Color)	4279804322 (0xFF18A1A2)
YUV	120.1510, 20.6316, -84.3244
Hunter-Lab	53.1908, -27.1535, -5.8028

Details

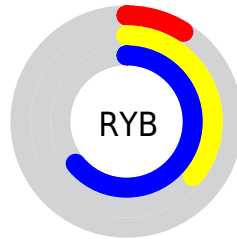
The Yxy color **28.2926, 0.2270, 0.3269** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.4522, 0.6032, 0.3306**, and the grayscale version is **18.8039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7741, 0.2435, 0.3275**, and **12.0631, 0.2239, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **28.1073, 0.2248, 0.3267**, and if you desaturate by 10%, it is **28.5975, 0.2308, 0.3271**.

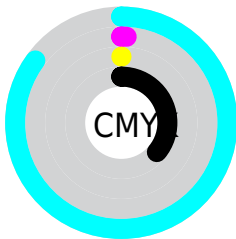
Distribution



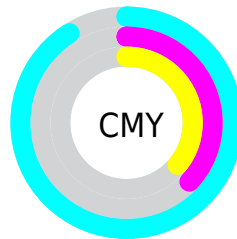
- Red (9%)
- Green (63%)
- Blue (64%)



- Red (9%)
- Yellow (36%)
- Blue (64%)



- Cyan (85%)
- Magenta (1%)
- Yellow (0%)
- Black (36%)





- Cyan (91%)
- Magenta (37%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2926, 0.2270, 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 28.2926, 0.2270, 0.3269 by changing the saturation by 10% instead.


 28.2926, 0.2270,
0.3269


 28.2926, 0.2270,
0.3269


 293.8624, 0.2722,
0.3293

 18.5463, 0.2150,
0.3257


 56.9513, 0.2439,
0.3282


 11.3429, 0.1993,
0.3237

 76.6324, 0.2501,
0.3285


 6.2980, 0.1779,
0.3203


 100.3941, 0.2553,
0.3288

 3.0271, 0.1473,
0.3135

 128.6205, 0.2597,
0.3290

 1.1459, 0.0730,
0.3075

 161.6962, 0.2635,
0.3291

 0.0168, 0.0000,
0.0224

 200.0054, 0.2668,

 0.0000, 0.0000,

0.3292

0.0000

243.9327, 0.2696,
0.3293

■ 28.2926, 0.2270,
0.3269

■ 28.2926, 0.2270,
0.3269

■ 28.1073, 0.2248,
0.3267

■ 28.5975, 0.2308,
0.3271

■ 28.0354, 0.2241,
0.3266

■ 29.0379, 0.2365,
0.3274

■ 29.6298, 0.2439,
0.3277

■ 30.3864, 0.2533,
0.3279

■ 31.3194, 0.2642,
0.3282

■ 32.4395, 0.2767,
0.3284

■ 33.7564, 0.2904,
0.3287

■ 35.2792, 0.3050,
0.3289

■ 37.0165, 0.3203,
0.3291

Harmonies

Analogous

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



28.2926, 0.2647, 0.3841



28.2926, 0.2270, 0.3269



28.2926, 0.2117, 0.2772

Triad

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



28.2926, 0.2270, 0.3269



28.2926, 0.2998, 0.2527



28.2926, 0.4118, 0.4052

Complementary

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



28.2926, 0.2270, 0.3269



8.4522, 0.6032, 0.3306

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.



28.2926, 0.4254, 0.3649



28.2926, 0.2270, 0.3269



28.2926, 0.3575, 0.2813

Square

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



28.2926, 0.2270, 0.3269



28.2926, 0.2505, 0.2403



28.2926, 0.4053, 0.3209



28.2926, 0.3714, 0.4298

Rectangle

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



28.2926, 0.2270, 0.3269



28.2926, 0.2146, 0.2551



28.2926, 0.4053, 0.3209



28.2926, 0.4198, 0.3928

Sweetspot

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



28.2937, 0.2270, 0.3269



58.5776, 0.2748, 0.3284



26.1052, 0.3008, 0.5830



13.0011, 0.2707, 0.3283



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.2937, 0.2270, 0.3269



50.8797, 0.2240, 0.3265



10.6509, 0.1894, 0.1864



8.0023, 0.2988, 0.3288



22.0888, 0.2241, 0.3266



0.4668, 0.2243, 0.3274

Inverse Universe

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



10.9159, 0.3221, 0.1623



18.6033, 0.3228, 0.1552



15.5941, 0.5068, 0.4162



7.2013, 0.3139, 0.3070



8.0740, 0.3227, 0.1551



0.1699, 0.3220, 0.1548

Previews

White Background



This preview shows how the Yxy color 28.2926, 0.2270, 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 28.2926, 0.2270, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

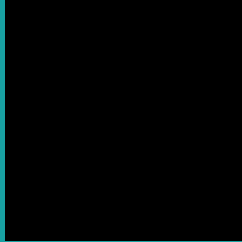
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2926, 0.2270, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 28.2926, 0.2270, 0.3269.

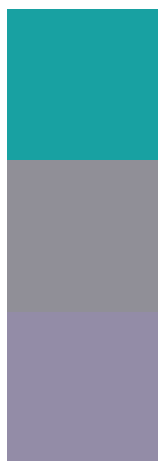


This preview shows how white text looks on a background with the Yxy color 28.2926, 0.2270, 0.3269.

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

28.2926, 0.2270, 0.3269

Protanopia

27.8086, 0.3060, 0.3162

Deuteranopia

27.7492, 0.2940, 0.2874



Tritanopia

28.1499, 0.2234, 0.3056

Trichromacy



Original Color

28.2926, 0.2270, 0.3269

Protanomaly

26.8886, 0.2628, 0.3201

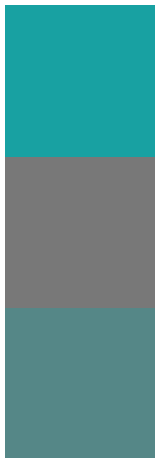
Deuteranomaly

26.7212, 0.2565, 0.2998

Tritanomaly

28.2758, 0.2250, 0.3144

Monochromacy



Original Color

28.2926, 0.2270, 0.3269

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

21.0085, 0.2627, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2926, 0.2270, 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(24, 161, 162)` looks like.

```
.text, #text, p{  
    color:rgb(24, 161, 162)  
}
```

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(24, 161, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 161, 162) }
```

Border

The CSS property to change the border of an element to Yxy 28.2926, 0.2270, 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(24, 161, 162) }
```

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

```
.border{ border-color:rgb(24, 161, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 161, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 161, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 161, 162);  
box-shadow:4px 4px 4px 4px rgb(24, 161,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2926, 0.2270, 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(24, 161, 162) }
```

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

```
.background{ background-color: rgb(24, 161,  
162) }
```

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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