

Converting Colors

$Y_{xy}(22.2738, 0.1167, 0.2754)$

Have a look what the booklet for
Yxy(22.2738, 0.1167, 0.2754)
contains.

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Color

Yxy(28.2570, 0.2126, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	009FB8
RGB	0, 159, 184
RGB Percent	0%, 62%, 72%
CMY	1.0000, 0.3765, 0.2784
CMYK	1.00, 0.14, 0.00, 0.28
HSL	188°, 100%, 36%
HSV	188°, 100%, 72%
XYZ	21.0492, 28.2570, 49.7022
YIQ	114.3090, -102.7890, -25.9330

Conversions

Conversions Part 2

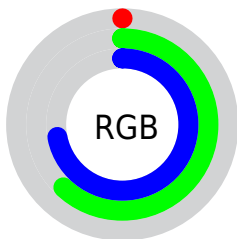
Format	Color
RYB	0, 85, 184
Decimal	40888
CIELab	60.12, -25.60, -22.75
CIELCh	60, 34.247, 221.632
Yxy	28.2570, 0.2126, 0.2854
Android (android.graphics.Color)	4278230968 (0xFF009FB8)
YUV	114.3090, 34.3577, -100.2490
Hunter-Lab	53.1573, -22.3430, -18.2262

Details

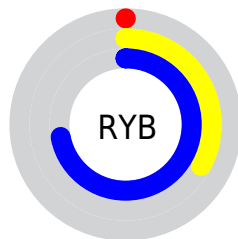
The Yxy color **28.2570, 0.2126, 0.2854** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.8886, 0.6278, 0.3397**, and the grayscale version is **16.8442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9258, 0.2320, 0.2954**, and **12.1541, 0.2086, 0.2711** is the 20% darker color. If you saturate the color by 10%, you get **28.2593, 0.2126, 0.2854**, and if you desaturate by 10%, it is **29.2610, 0.2156, 0.2901**.

Distribution



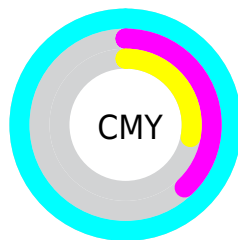
- Red (0%)
- Green (62%)
- Blue (72%)



- Red (0%)
- Yellow (33%)
- Blue (72%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (28%)




- Cyan (100%)
- Magenta (38%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2570, 0.2126, 0.2854 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 28.2570, 0.2126, 0.2854 by changing the saturation by 10% instead.


 28.2570, 0.2126,
0.2854


 28.2570, 0.2126,
0.2854


 293.6929, 0.2645,
0.3104


 18.5195, 0.1993,
0.2781


 56.8945, 0.2318,
0.2953

 11.3236, 0.1821,
0.2680


 76.5633, 0.2389,
0.2987

 6.2849, 0.1593,
0.2535


 100.3112, 0.2449,
0.3016

 3.0191, 0.1282,
0.2312

 128.5228, 0.2500,
0.3039

 1.1417, 0.0756,
0.1961

 161.5823, 0.2544,
0.3059

 0.0133, 0.0000,
0.0075

 199.8743, 0.2582,

 0.0000, 0.0000,

0.3076

0.0000

243.7830, 0.2615,
0.3091

■ 28.2570, 0.2126,
0.2854

■ 28.2570, 0.2126,
0.2854

■ 28.2593, 0.2126,
0.2854

■ 29.2610, 0.2156,
0.2901

■ 30.4048, 0.2200,
0.2948

■ 31.7374, 0.2263,
0.2996

■ 33.2816, 0.2345,
0.3044

■ 35.0569, 0.2444,
0.3090

■ 37.0802, 0.2560,
0.3135

■ 39.3670, 0.2689,
0.3178

■ 41.9313, 0.2828,
0.3218

■ 44.7860, 0.2975,
0.3256

Harmonies

Analogous

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



28.2570, 0.2325, 0.3381



28.2570, 0.2126, 0.2854



28.2570, 0.2163, 0.2516

Triad

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



28.2570, 0.2126, 0.2854



28.2570, 0.3465, 0.2746



28.2570, 0.3809, 0.4272

Complementary

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



28.2570, 0.2126, 0.2854



10.8886, 0.6278, 0.3397

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.



28.2570, 0.4171, 0.3982



28.2570, 0.2126, 0.2854



28.2570, 0.3979, 0.3126

Square

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



28.2570, 0.2126, 0.2854



28.2570, 0.2891, 0.2487



28.2570, 0.4244, 0.3564



28.2570, 0.3282, 0.4284

Rectangle

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



28.2570, 0.2126, 0.2854



28.2570, 0.2316, 0.2415



28.2570, 0.4244, 0.3564



28.2570, 0.3955, 0.4199

Sweetspot

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



28.2593, 0.2126, 0.2854



71.1271, 0.2682, 0.3176



34.3572, 0.2971, 0.5895



14.9491, 0.2627, 0.3158



93.3107, 0.3127, 0.3290



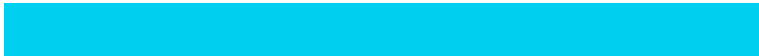
18.7317, 0.3127, 0.3290

Same Dimension

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



28.2593, 0.2126, 0.2854



50.9554, 0.2124, 0.2846



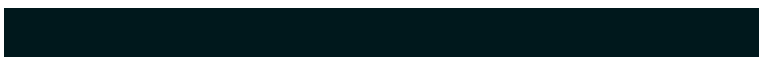
7.5324, 0.1658, 0.1168



9.9968, 0.2985, 0.3258



19.5475, 0.2128, 0.2860



0.7472, 0.2162, 0.2981

Inverse Universe

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



12.6961, 0.3585, 0.1749



22.9835, 0.3592, 0.1752



22.8097, 0.5023, 0.4393



9.1412, 0.3158, 0.3095



8.7557, 0.3580, 0.1746



0.3145, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 28.2570, 0.2126, 0.2854 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 28.2570, 0.2126, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

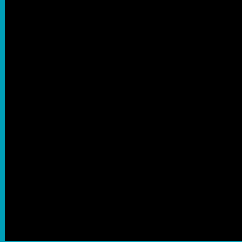
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2570, 0.2126, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 28.2570, 0.2126, 0.2854.

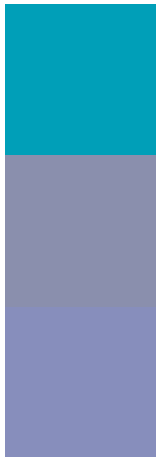


This preview shows how white text looks on a background with the Yxy color 28.2570, 0.2126, 0.2854.

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

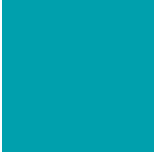
28.2570, 0.2126, 0.2854

Protanopia

28.0653, 0.2802, 0.2824

Deuteranopia

28.1277, 0.2652, 0.2596



Tritanopia

28.1587, 0.2182, 0.3055

Trichromacy



Original Color

28.2570, 0.2126, 0.2854

Protanomaly

26.7439, 0.2390, 0.2815

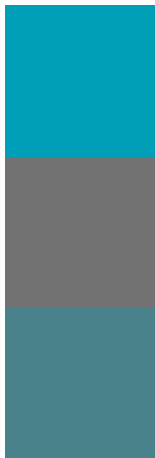
Deuteranomaly

26.7461, 0.2315, 0.2646

Tritanomaly

28.3159, 0.2163, 0.2987

Monochromacy



Original Color

28.2570, 0.2126, 0.2854

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

19.2458, 0.2484, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2570, 0.2126, 0.2854 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(0, 159, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 184)  
}
```

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(0, 159, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 184) }
```

Border

The CSS property to change the border of an element to Yxy 28.2570, 0.2126, 0.2854 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(0, 159, 184) }
```

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

```
.border{ border-color:rgb(0, 159, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2570, 0.2126, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 184) }
```

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

```
.background{ background-color: rgb(0, 159,  
184) }
```

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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