

Converting Colors

$Yxy(27.7388, 0.2061, 0.2833)$

Have a look what the booklet for
Yxy(27.7388, 0.2061, 0.2833)
contains.

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Color

$\text{Yxy}(28.2991, 0.2122, 0.2838)$

Conversions

Conversions Part 1

Format	Color
Hex	009FB9
RGB	0, 159, 185
RGB Percent	0%, 62%, 73%
CMY	0.9987, 0.3765, 0.2744
CMYK	1.00, 0.14, 0.00, 0.27
HSL	188°, 100%, 36%
HSV	188°, 100%, 73%
XYZ	21.1595, 28.2991, 50.2563
YIQ	114.4230, -103.1100, -25.6220

Conversions

Conversions Part 2

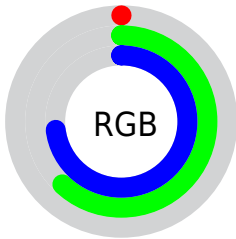
Format	Color
RYB	0, 86, 185
Decimal	40889
CIELab	60.16, -25.23, -23.26
CIELCh	60, 34.315, 222.666
Yxy	28.2991, 0.2122, 0.2838
Android (android.graphics.Color)	4278230969 (0xFF009FB9)
YUV	114.4230, 34.7945, -100.3490
Hunter-Lab	53.1969, -22.0947, -18.7748

Details

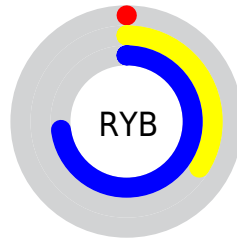
The Yxy color **28.2991, 0.2122, 0.2838** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.0726, 0.6267, 0.3403**, and the grayscale version is **16.9093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9854, 0.2316, 0.2942**, and **12.1813, 0.2081, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **28.2814, 0.2122, 0.2837**, and if you desaturate by 10%, it is **29.3410, 0.2152, 0.2887**.

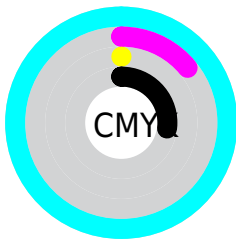
Distribution



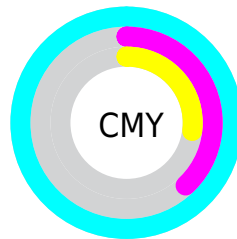
- Red (0%)
- Green (62%)
- Blue (73%)



- Red (0%)
- Yellow (34%)
- Blue (73%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2991, 0.2122, 0.2838 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 28.2991, 0.2122, 0.2838 by changing the saturation by 10% instead.

 28.2991, 0.2122,
0.2838


 28.2991, 0.2122,
0.2838


 293.8934, 0.2643,
0.3096


 18.5512, 0.1989,
0.2763


 56.9616, 0.2314,
0.2940

 11.3465, 0.1817,
0.2659

 76.6451, 0.2386,
0.2976

 6.3004, 0.1589,
0.2511


 100.4092, 0.2446,
0.3005

 3.0286, 0.1278,
0.2284

 128.6383, 0.2497,
0.3029

 1.1467, 0.0762,
0.1928

 161.7169, 0.2541,
0.3050

 0.0175, 0.0000,
0.0095

 200.0294, 0.2579,

 0.0000, 0.0000,

0.3068

0.0000

243.9601, 0.2613,
0.3083

■ 28.2991, 0.2122,
0.2838

■ 28.2991, 0.2122,
0.2838

■ 28.2814, 0.2122,
0.2837

■ 29.3410, 0.2152,
0.2887

■ 30.5291, 0.2197,
0.2936

■ 31.9101, 0.2261,
0.2986

■ 33.5071, 0.2344,
0.3035

■ 35.3398, 0.2444,
0.3083

■ 37.4253, 0.2561,
0.3130

■ 39.7793, 0.2691,
0.3175

■ 42.4159, 0.2831,
0.3216

■ 45.3484, 0.2978,
0.3255

Harmonies

Analogous

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



28.2991, 0.2313, 0.3361



28.2991, 0.2122, 0.2838



28.2991, 0.2167, 0.2507

Triad

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



28.2991, 0.2122, 0.2838



28.2991, 0.3485, 0.2756



28.2991, 0.3794, 0.4279

Complementary

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



28.2991, 0.2122, 0.2838



11.0726, 0.6267, 0.3403

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.



28.2991, 0.4164, 0.3996



28.2991, 0.2122, 0.2838



28.2991, 0.3995, 0.3141

Square

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



28.2991, 0.2122, 0.2838



28.2991, 0.2909, 0.2493



28.2991, 0.4249, 0.3580



28.2991, 0.3263, 0.4280

Rectangle

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



28.2991, 0.2122, 0.2838



28.2991, 0.2325, 0.2411



28.2991, 0.4249, 0.3580



28.2991, 0.3942, 0.4209

Sweetspot

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



28.3001, 0.2122, 0.2838



70.9278, 0.2681, 0.3172



34.7784, 0.2971, 0.5893



14.9007, 0.2626, 0.3153



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.



28.3001, 0.2122, 0.2838



50.3780, 0.2119, 0.2829



7.6468, 0.1659, 0.1171



9.9890, 0.2985, 0.3257



19.3330, 0.2123, 0.2843



0.7414, 0.2158, 0.2969

Inverse Universe

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



12.8271, 0.3600, 0.1757



22.9252, 0.3608, 0.1761



23.1110, 0.5021, 0.4394



9.1404, 0.3158, 0.3096



8.7340, 0.3595, 0.1754



0.3139, 0.3481, 0.1691

Previews

White Background



This preview shows how the Yxy color 28.2991, 0.2122, 0.2838 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 28.2991, 0.2122, 0.2838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

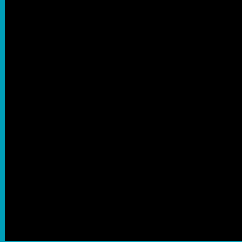
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2991, 0.2122, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 28.2991, 0.2122, 0.2838.

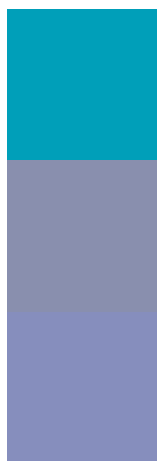


This preview shows how white text looks on a background with the Yxy color 28.2991, 0.2122, 0.2838.

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

28.2991, 0.2122, 0.2838

Protanopia

28.0193, 0.2784, 0.2808

Deuteranopia

28.0885, 0.2636, 0.2581



Tritanopia

28.1587, 0.2182, 0.3055

Trichromacy



Original Color

28.2991, 0.2122, 0.2838

Protanomaly

26.7355, 0.2378, 0.2799

Deuteranomaly

26.7419, 0.2303, 0.2631

Tritanomaly

28.3159, 0.2163, 0.2987

Monochromacy



Original Color

28.2991, 0.2122, 0.2838

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.5425, 0.2480, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2991, 0.2122, 0.2838 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, 185)` looks like.

```
.text, #text, p{  
  color:rgb(0, 159, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 185) }
```

Border

The CSS property to change the border of an element to Yxy 28.2991, 0.2122, 0.2838 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, 185) }
```

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

```
.border{ border-color:rgb(0, 159, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2991, 0.2122, 0.2838 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, 185) }
```

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

```
.background{ background-color: rgb(0, 159,  
185) }
```

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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