

Converting Colors

$Yxy(27.1648, 0.1956, 0.2948)$

Have a look what the booklet for
Yxy(27.1648, 0.1956, 0.2948)
contains.

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Color

$\text{Yxy}(28.7444, 0.2159, 0.2972)$

Conversions

Conversions Part 1

Format	Color
Hex	00A1B3
RGB	0, 161, 179
RGB Percent	0%, 63%, 70%
CMY	0.9997, 0.3686, 0.2981
CMYK	1.00, 0.10, 0.00, 0.30
HSL	186°, 100%, 35%
HSV	186°, 100%, 70%
XYZ	20.8813, 28.7444, 47.0917
YIQ	114.9130, -101.7340, -28.5340

Conversions

Conversions Part 2

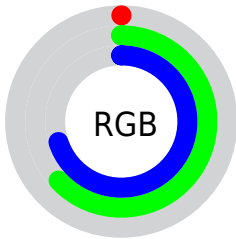
Format	Color
RYB	0, 85, 179
Decimal	41395
CIELab	60.56, -28.28, -19.26
CIELCh	61, 34.213, 214.252
Yxy	28.7444, 0.2159, 0.2972
Android (android.graphics.Color)	4278231475 (0xFF00A1B3)
YUV	114.9130, 31.5949, -100.7787
Hunter-Lab	53.6138, -24.3027, -14.5477

Details

The Yxy color **28.7444, 0.2159, 0.2972** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0177, 0.6318, 0.3365**, and the grayscale version is **17.0490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5967, 0.2344, 0.3042**, and **12.4436, 0.2131, 0.2872** is the 20% darker color. If you saturate the color by 10%, you get **28.7426, 0.2159, 0.2972**, and if you desaturate by 10%, it is **29.5069, 0.2185, 0.3006**.

Distribution



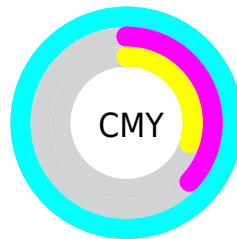
- Red (0%)
- Green (63%)
- Blue (70%)



- Red (0%)
- Yellow (33%)
- Blue (70%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (30%)




- Cyan (100%)
- Magenta (37%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7444, 0.2159, 0.2972 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 28.7444, 0.2159, 0.2972 by changing the saturation by 10% instead.


 28.7444, 0.2159,
0.2972


 28.7444, 0.2159,
0.2972


 296.0071, 0.2662,
0.3159


 18.8875, 0.2030,
0.2915


 57.6707, 0.2345,
0.3047

 11.5891, 0.1862,
0.2836


 77.5090, 0.2414,
0.3073


 6.4645, 0.1638,
0.2719


 101.4432, 0.2472,
0.3094

 3.1295, 0.1330,
0.2533

 129.8578, 0.2521,
0.3112

 1.1997, 0.0783,
0.2236

 163.1370, 0.2564,
0.3127

 0.0615, 0.0000,
0.0397

 201.6654, 0.2601,

 0.0000, 0.0000,

0.3139

0.0000

245.8273, 0.2633,
0.3150

■ 28.7444, 0.2159,
0.2972

■ 28.7444, 0.2159,
0.2972

■ 28.7426, 0.2159,
0.2972

■ 29.5069, 0.2185,
0.3006

■ 30.3940, 0.2225,
0.3040

■ 31.4510, 0.2283,
0.3075

■ 32.6991, 0.2360,
0.3109

■ 34.1564, 0.2456,
0.3143

■ 35.8386, 0.2567,
0.3176

■ 37.7601, 0.2693,
0.3207

■ 39.9339, 0.2830,
0.3237

■ 42.3721, 0.2976,
0.3265

Harmonies

Analogous

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



28.7444, 0.2414, 0.3524



28.7444, 0.2159, 0.2972



28.7444, 0.2138, 0.2583

Triad

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



28.7444, 0.2159, 0.2972



28.7444, 0.3320, 0.2672



28.7444, 0.3914, 0.4215

Complementary

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



28.7444, 0.2159, 0.2972



10.0177, 0.6318, 0.3365

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.



28.7444, 0.4212, 0.3883



28.7444, 0.2159, 0.2972



28.7444, 0.3864, 0.3027

Square

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



28.7444, 0.2159, 0.2972



28.7444, 0.2764, 0.2453



28.7444, 0.4202, 0.3454



28.7444, 0.3418, 0.4307

Rectangle

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



28.7444, 0.2159, 0.2972



28.7444, 0.2253, 0.2446



28.7444, 0.4202, 0.3454



28.7444, 0.4042, 0.4123

Sweetspot

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



28.7454, 0.2159, 0.2972



67.4335, 0.2686, 0.3206



32.2817, 0.2980, 0.5928



14.6125, 0.2632, 0.3193



91.1408, 0.3127, 0.3290



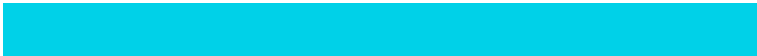
17.8868, 0.3127, 0.3290

Same Dimension

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



28.7454, 0.2159, 0.2972



51.2911, 0.2157, 0.2966



7.8430, 0.1686, 0.1267



9.4826, 0.2986, 0.3266



20.3667, 0.2160, 0.2976



0.6826, 0.2186, 0.3071

Inverse Universe

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



12.1577, 0.3479, 0.1690



21.7536, 0.3484, 0.1693



20.1871, 0.5114, 0.4321



8.6317, 0.3152, 0.3088



8.5962, 0.3475, 0.1688



0.2747, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 28.7444, 0.2159, 0.2972 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 28.7444, 0.2159, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

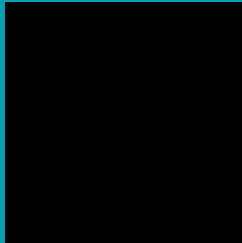
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7444, 0.2159, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 28.7444, 0.2159, 0.2972.

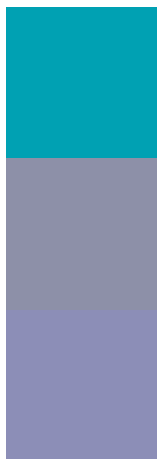


This preview shows how white text looks on a background with the Yxy color 28.7444, 0.2159, 0.2972.

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

28.7444, 0.2159, 0.2972

Protanopia

28.4364, 0.2874, 0.2916

Deuteranopia

28.3403, 0.2736, 0.2671



Tritanopia

28.9358, 0.2183, 0.3057

Trichromacy



Original Color

28.7444, 0.2159, 0.2972



Protanomaly

26.9649, 0.2438, 0.2913



Deuteranomaly

26.9961, 0.2365, 0.2739



Tritanomaly

28.9753, 0.2178, 0.3040

Monochromacy



Original Color

28.7444, 0.2159, 0.2972



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.7540, 0.2499, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7444, 0.2159, 0.2972 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, 161, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 179)  
}
```

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, 161, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 179) }
```

Border

The CSS property to change the border of an element to Yxy 28.7444, 0.2159, 0.2972 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, 161, 179) }
```

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

```
.border{ border-color:rgb(0, 161, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7444, 0.2159, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 179) }
```

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

```
.background{ background-color: rgb(0, 161,  
179) }
```

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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