

Converting Colors

$Y_{xy}(28.2239, 0.1956, 0.2240)$

Have a look what the booklet for
Yxy(28.2239, 0.1956, 0.2240)
contains.

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Color

Yxy(28.3916, 0.1958, 0.2246)

Conversions

Conversions Part 1

Format	Color
Hex	019ADE
RGB	1, 154, 222
RGB Percent	0%, 60%, 87%
CMY	0.9957, 0.3961, 0.1295
CMYK	1.00, 0.31, 0.00, 0.13
HSL	198°, 99%, 44%
HSV	198°, 100%, 87%
XYZ	24.7510, 28.3916, 73.2670
YIQ	116.0050, -113.0160, -11.2880

Conversions

Conversions Part 2

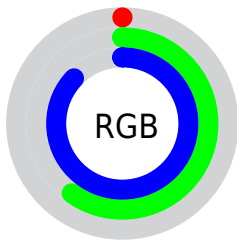
Format	Color
R_{YB}	1, 91, 222
Decimal	105182
CIE _{Lab}	60.24, -9.33, -43.81
CIE _{LCh}	60, 44.792, 257.974
Yxy	28.3916, 0.1958, 0.2246
Android (android.graphics.Color)	4278295262 (0xFF019ADE)
YUV	116.0050, 52.2555, -100.8594
Hunter-Lab	53.2838, -10.3310, -44.2272

Details

The Yxy color **28.3916, 0.1958, 0.2246** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **19.7948, 0.5951, 0.3652**, and the grayscale version is **17.3400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2748, 0.2266, 0.2704**, and **12.4537, 0.1891, 0.2007** is the 20% darker color. If you saturate the color by 10%, you get **28.2731, 0.1956, 0.2240**, and if you desaturate by 10%, it is **30.8909, 0.2007, 0.2361**.

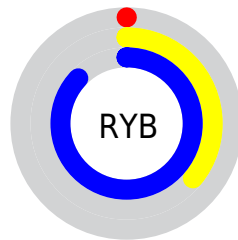
Distribution



Red (0%)

Green (60%)

Blue (87%)



Red (0%)

Yellow (36%)

Blue (87%)

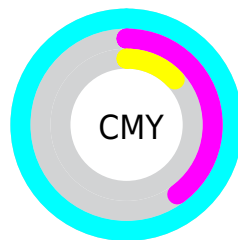


Cyan (100%)

Magenta (31%)

Yellow (0%)

Black (13%)



Cyan (100%)


Magenta (40%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3916, 0.1958, 0.2246 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 28.3916, 0.1958, 0.2246 by changing the saturation by 10% instead.


 28.3916, 0.1958,
0.2246


 28.3916, 0.1958,
0.2246


294.3334, 0.2551,
0.2792

 18.6211, 0.1813,
0.2108


 57.1090, 0.2172,
0.2447

 11.3968, 0.1632,
0.1932


 76.8247, 0.2253,
0.2522

 6.3344, 0.1401,
0.1702


 100.6243, 0.2322,
0.2585

 3.0495, 0.1105,
0.1399

 128.8921, 0.2381,
0.2639

 1.1576, 0.0731,
0.0996

 162.0125, 0.2432,
0.2685

 0.0267, 0.0000,
0.0053

200.3699, 0.2477,

 0.0000, 0.0000,

0.2725

0.0000

244.3488, 0.2516,
0.2760

■ 28.3916, 0.1958,
0.2246

■ 28.3916, 0.1958,
0.2246

■ 28.2731, 0.1956,
0.2240

■ 30.8909, 0.2007,
0.2361

■ 33.7247, 0.2075,
0.2479

■ 36.9561, 0.2162,
0.2596

■ 40.6235, 0.2269,
0.2713

■ 44.7594, 0.2392,
0.2826

■ 49.3924, 0.2529,
0.2934

■ 54.5486, 0.2675,
0.3035

■ 60.2519, 0.2827,
0.3130

■ 66.5242, 0.2981,
0.3216

Harmonies

Analogous

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



28.3916, 0.1850, 0.2593



28.3916, 0.1958, 0.2246



28.3916, 0.2336, 0.2172

Triad

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



28.3916, 0.1958, 0.2246



28.3916, 0.4349, 0.3174



28.3916, 0.3150, 0.4565

Complementary

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



28.3916, 0.1958, 0.2246



19.7948, 0.5951, 0.3652

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.



28.3916, 0.3847, 0.4605



28.3916, 0.1958, 0.2246



28.3916, 0.4594, 0.3719

Square

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



28.3916, 0.1958, 0.2246



28.3916, 0.3718, 0.2687



28.3916, 0.4387, 0.4244



28.3916, 0.2483, 0.4013

Rectangle

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



28.3916, 0.1958, 0.2246



28.3916, 0.2730, 0.2256



28.3916, 0.4387, 0.4244



28.3916, 0.3388, 0.4636

Sweetspot

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



28.3925, 0.1958, 0.2246



74.1521, 0.2664, 0.3028



52.6479, 0.2892, 0.5607



15.2152, 0.2601, 0.2986



0.0000, 0.0000, 0.0000



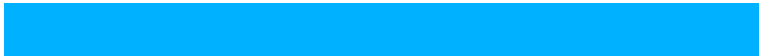
21.4041, 0.3127, 0.3290

Same Dimension

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



28.3925, 0.1958, 0.2246



38.4761, 0.1953, 0.2232



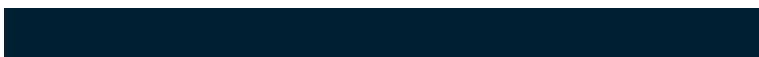
7.1782, 0.1553, 0.0788



14.8232, 0.2982, 0.3216



17.0028, 0.1960, 0.2257



1.3350, 0.2010, 0.2435

Inverse Universe

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



17.8834, 0.4183, 0.2080



24.4153, 0.4199, 0.2087



47.2915, 0.4599, 0.4728



13.8600, 0.3185, 0.3129



10.6245, 0.4171, 0.2071



0.7522, 0.3987, 0.1970

Previews

White Background



This preview shows how the Yxy color 28.3916, 0.1958, 0.2246 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 28.3916, 0.1958, 0.2246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

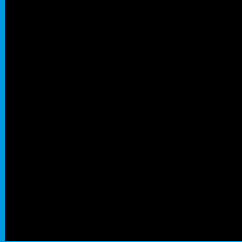
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3916, 0.1958, 0.2246

Background



This preview shows how black text looks on a background with the Yxy color 28.3916, 0.1958, 0.2246.

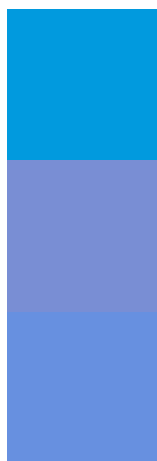


This preview shows how white text looks on a background with the Yxy color 28.3916, 0.1958, 0.2246.

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

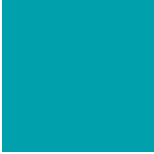
28.3916, 0.1958, 0.2246

Protanopia

28.1644, 0.2379, 0.2275

Deuteranopia

28.2119, 0.2204, 0.2143



Tritanopia

28.4683, 0.2192, 0.3090

Trichromacy



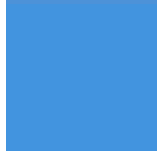
Original Color

28.3916, 0.1958, 0.2246



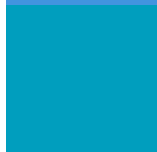
Protanomaly

27.0934, 0.2115, 0.2227



Deuteranomaly

27.6658, 0.2050, 0.2168



Tritanomaly

28.1714, 0.2095, 0.2743

Monochromacy



Original Color

28.3916, 0.1958, 0.2246



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.7877, 0.2373, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3916, 0.1958, 0.2246 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(1, 154, 222)` looks like.

```
.text, #text, p{  
    color:rgb(1, 154, 222)  
}
```

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(1, 154, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 154, 222) }
```

Border

The CSS property to change the border of an element to Yxy 28.3916, 0.1958, 0.2246 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(1, 154, 222) }
```

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

```
.border{ border-color:rgb(1, 154, 222) }
```

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

Here you see how a box with a 4 pixel rgb(1, 154, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 154, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 154, 222);  
box-shadow:4px 4px 4px 4px rgb(1, 154,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3916, 0.1958, 0.2246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 154, 222) }
```

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

```
.background{ background-color: rgb(1, 154,  
222) }
```

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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