

Converting Colors

$Yxy(26.1607, 0.1622, 0.2165)$

Have a look what the booklet for
Yxy(26.1607, 0.1622, 0.2165)
contains.

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Color

Yxy(29.2132, 0.1957, 0.2243)

Conversions

Conversions Part 1

Format	Color
Hex	019CE1
RGB	1, 156, 225
RGB Percent	0%, 61%, 88%
CMY	0.9966, 0.3883, 0.1176
CMYK	1.00, 0.31, 0.00, 0.12
HSL	198°, 99%, 44%
HSV	198°, 100%, 88%
XYZ	25.4883, 29.2132, 75.5402
YIQ	117.5210, -114.5290, -11.4010

Conversions

Conversions Part 2

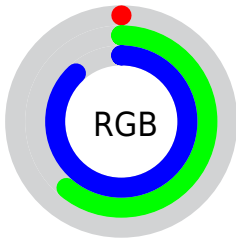
Format	Color
R _Y B	1, 93, 225
Decimal	105697
CIE Lab	60.97, -9.33, -44.35
CIE LCh	61, 45.318, 258.115
Yxy	29.2132, 0.1957, 0.2243
Android (android.graphics.Color)	4278295777 (0xFF019CE1)
YUV	117.5210, 52.9871, -102.1889
Hunter-Lab	54.0492, -10.4100, -45.0303

Details

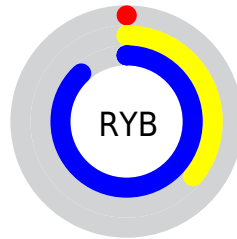
The Yxy color **29.2132, 0.1957, 0.2243** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.3805, 0.5954, 0.3650**, and the grayscale version is **17.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3164, 0.2275, 0.2731**, and **12.9677, 0.1891, 0.2008** is the 20% darker color. If you saturate the color by 10%, you get **29.1184, 0.1955, 0.2239**, and if you desaturate by 10%, it is **31.7875, 0.2006, 0.2358**.

Distribution



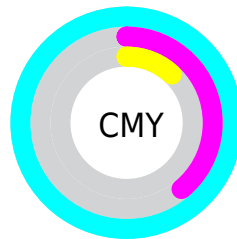
- Red (0%)
- Green (61%)
- Blue (88%)



- Red (0%)
- Yellow (36%)
- Blue (88%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (39%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2132, 0.1957, 0.2243 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 29.2132, 0.1957, 0.2243 by changing the saturation by 10% instead.


 29.2132, 0.1957,
0.2243


 29.2132, 0.1957,
0.2243

298.2196, 0.2548,
0.2787

 19.2422, 0.1814,
0.2106


 58.4156, 0.2170,
0.2443

 11.8454, 0.1635,
0.1932


 78.4158, 0.2250,
0.2518


 6.6385, 0.1408,
0.1706


 102.5279, 0.2319,
0.2580

 3.2371, 0.1117,
0.1408

 131.1362, 0.2378,
0.2634

 1.2567, 0.0750,
0.1014

 164.6251, 0.2429,
0.2680

 0.1073, 0.0000,
0.0194

203.3790, 0.2473,

 0.0000, 0.0000,

0.2721

0.0000

247.7824, 0.2513,
0.2756

■ 29.2132, 0.1957,
0.2243

■ 29.2132, 0.1957,
0.2243

■ 29.1184, 0.1955,
0.2239

■ 31.7875, 0.2006,
0.2358

■ 34.7060, 0.2073,
0.2476

■ 38.0347, 0.2161,
0.2594

■ 41.8132, 0.2267,
0.2711

■ 46.0753, 0.2390,
0.2824

■ 50.8507, 0.2527,
0.2932

■ 56.1663, 0.2673,
0.3034

■ 62.0467, 0.2825,
0.3128

■ 68.5149, 0.2979,
0.3215

Harmonies

Analogous

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



29.2132, 0.1847, 0.2589



29.2132, 0.1957, 0.2243



29.2132, 0.2337, 0.2171

Triad

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



29.2132, 0.1957, 0.2243



29.2132, 0.4354, 0.3176



29.2132, 0.3146, 0.4566

Complementary

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



29.2132, 0.1957, 0.2243



20.3805, 0.5954, 0.3650

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.



29.2132, 0.3845, 0.4608



29.2132, 0.1957, 0.2243



29.2132, 0.4597, 0.3722

Square

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



29.2132, 0.1957, 0.2243



29.2132, 0.3723, 0.2688



29.2132, 0.4387, 0.4247



29.2132, 0.2479, 0.4011

Rectangle

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



29.2132, 0.1957, 0.2243



29.2132, 0.2732, 0.2255



29.2132, 0.4387, 0.4247



29.2132, 0.3385, 0.4639

Sweetspot

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



29.2141, 0.1957, 0.2243



74.1423, 0.2664, 0.3028



54.2834, 0.2892, 0.5610



15.2129, 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.



29.2141, 0.1957, 0.2243



38.4530, 0.1953, 0.2231



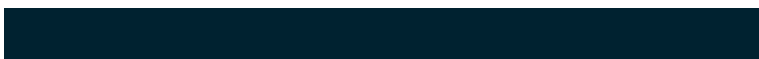
7.3735, 0.1552, 0.0786



14.8227, 0.2982, 0.3216



16.9929, 0.1960, 0.2257



1.3344, 0.2010, 0.2435

Inverse Universe

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



18.4288, 0.4186, 0.2081



24.4130, 0.4199, 0.2087



48.7302, 0.4600, 0.4727



13.8600, 0.3185, 0.3129



10.6235, 0.4172, 0.2072



0.7522, 0.3988, 0.1970

Previews

White Background



This preview shows how the Yxy color 29.2132, 0.1957, 0.2243 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 29.2132, 0.1957, 0.2243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

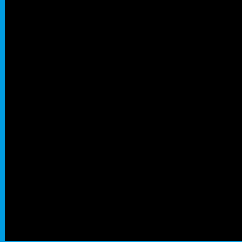
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

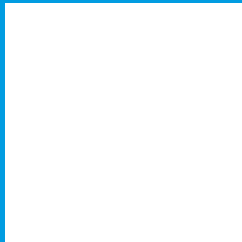
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2132, 0.1957, 0.2243

Background



This preview shows how black text looks on a background with the Yxy color 29.2132, 0.1957, 0.2243.

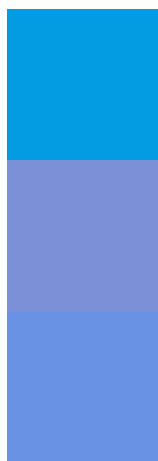


This preview shows how white text looks on a background with the Yxy color 29.2132, 0.1957, 0.2243.

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

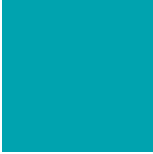
29.2196, 0.1957, 0.2243

Protanopia

29.0638, 0.2380, 0.2275

Deuteranopia

29.0469, 0.2201, 0.2142



Tritanopia

29.2895, 0.2188, 0.3075

Trichromacy



Original Color

29.2196, 0.1957, 0.2243

Protanomaly

27.9565, 0.2118, 0.2226

Deuteranomaly

28.4619, 0.2046, 0.2167

Tritanomaly

28.9919, 0.2093, 0.2733

Monochromacy



Original Color

29.2196, 0.1957, 0.2243

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

20.1288, 0.2377, 0.2812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2132, 0.1957, 0.2243 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, 156, 225)` looks like.

```
.text, #text, p{  
    color:rgb(1, 156, 225)  
}
```

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, 156, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 156, 225) }
```

Border

The CSS property to change the border of an element to Yxy 29.2132, 0.1957, 0.2243 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, 156, 225) }
```

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

```
.border{ border-color:rgb(1, 156, 225) }
```

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

Here you see how a box with a 4 pixel rgb(1, 156, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 156, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 156, 225);  
box-shadow:4px 4px 4px 4px rgb(1, 156,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2132, 0.1957, 0.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 156, 225) }
```

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

```
.background{ background-color: rgb(1, 156,  
225) }
```

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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