

Converting Colors

$Y_{xy}(26.9265, 0.1772, 0.2177)$

Have a look what the booklet for
Yxy(26.9265, 0.1772, 0.2177)
contains.

Yxy(28.4930, 0.1951, 0.2222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.4930, 0.1951, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	019AE0
RGB	1, 154, 224
RGB Percent	0%, 60%, 88%
CMY	0.9977, 0.3961, 0.1215
CMYK	1.00, 0.31, 0.00, 0.12
HSL	199°, 99%, 44%
HSV	199°, 100%, 88%
XYZ	25.0179, 28.4930, 74.7204
YIQ	116.2330, -113.6580, -10.6660

Conversions

Conversions Part 2

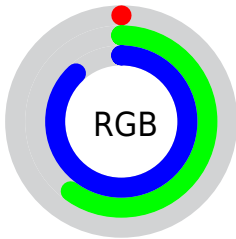
Format	Color
R _Y B	1, 92, 224
Decimal	105184
CIE Lab	60.33, -8.58, -44.80
CIE LCh	60, 45.618, 259.160
Yxy	28.4930, 0.1951, 0.2222
Android (android.graphics.Color)	4278295264 (0xFF019AE0)
YUV	116.2330, 53.1291, -101.0593
Hunter-Lab	53.3788, -9.7524, -45.6297

Details

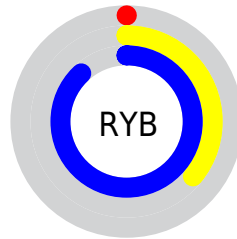
The Yxy color **28.4930, 0.1951, 0.2222** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.3131, 0.5943, 0.3660**, and the grayscale version is **17.3598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3350, 0.2269, 0.2704**, and **12.5276, 0.1883, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **28.4285, 0.1950, 0.2219**, and if you desaturate by 10%, it is **31.0584, 0.2001, 0.2340**.

Distribution



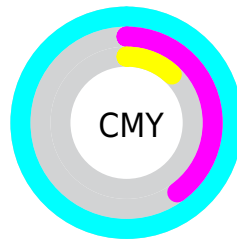
- Red (0%)
- Green (60%)
- Blue (88%)



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



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




- Cyan (100%)
- Magenta (40%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4930, 0.1951, 0.2222 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 28.4930, 0.1951, 0.2222 by changing the saturation by 10% instead.


 28.4930, 0.1951,
0.2222


 28.4930, 0.1951,
0.2222


294.8152, 0.2547,
0.2778

 18.6976, 0.1806,
0.2082


 57.2706, 0.2166,
0.2426


 11.4520, 0.1625,
0.1904


 77.0216, 0.2247,
0.2502


 6.3717, 0.1395,
0.1674


 100.8599, 0.2316,
0.2567

 3.0724, 0.1100,
0.1370

 129.1699, 0.2376,
0.2621

 1.1696, 0.0730,
0.0972

 162.3361, 0.2427,
0.2669

 0.0367, 0.0000,
0.0069

200.7428, 0.2472,

 0.0000, 0.0000,

0.2710

0.0000

244.7743, 0.2512,
0.2746

■ 28.4930, 0.1951,
0.2222

■ 28.4930, 0.1951,
0.2222

■ 28.4285, 0.1950,
0.2219

■ 31.0584, 0.2001,
0.2340

■ 33.9674, 0.2068,
0.2459

■ 37.2864, 0.2156,
0.2579

■ 41.0549, 0.2264,
0.2698

■ 45.3063, 0.2387,
0.2814

■ 50.0703, 0.2524,
0.2924

■ 55.3736, 0.2671,
0.3028

■ 61.2408, 0.2823,
0.3124

■ 67.6945, 0.2977,
0.3212

Harmonies

Analogous

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



28.4930, 0.1830, 0.2561



28.4930, 0.1951, 0.2222



28.4930, 0.2345, 0.2158

Triad

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



28.4930, 0.1951, 0.2222



28.4930, 0.4389, 0.3192



28.4930, 0.3119, 0.4576

Complementary

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



28.4930, 0.1951, 0.2222



20.3131, 0.5943, 0.3660

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.



28.4930, 0.3830, 0.4634



28.4930, 0.1951, 0.2222



28.4930, 0.4618, 0.3745

Square

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



28.4930, 0.1951, 0.2222



28.4930, 0.3758, 0.2695



28.4930, 0.4389, 0.4275



28.4930, 0.2449, 0.3997

Rectangle

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



28.4930, 0.1951, 0.2222



28.4930, 0.2750, 0.2249



28.4930, 0.4389, 0.4275



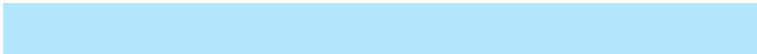
28.4930, 0.3362, 0.4656

Sweetspot

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



28.4939, 0.1951, 0.2222



73.9068, 0.2663, 0.3023



53.7422, 0.2893, 0.5612



15.1565, 0.2600, 0.2980



0.0000, 0.0000, 0.0000



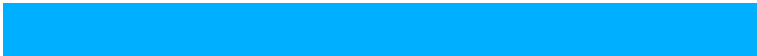
21.4041, 0.3127, 0.3290

Same Dimension

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



28.4939, 0.1951, 0.2222



37.9049, 0.1948, 0.2211



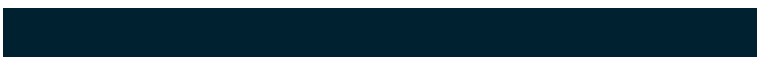
7.2855, 0.1552, 0.0784



14.8096, 0.2982, 0.3215



16.7574, 0.1955, 0.2237



1.3195, 0.2005, 0.2418

Inverse Universe

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



18.1971, 0.4209, 0.2093



24.3577, 0.4221, 0.2099



48.2297, 0.4601, 0.4727



13.8587, 0.3185, 0.3130



10.5997, 0.4193, 0.2083



0.7507, 0.4004, 0.1980

Previews

White Background



This preview shows how the Yxy color 28.4930, 0.1951, 0.2222 looks on a white background.

Color Contrast Check

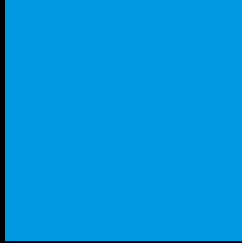
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4930, 0.1951, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

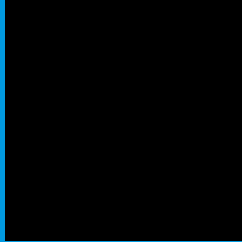
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

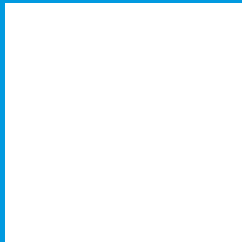
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.4930, 0.1951, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 28.4930, 0.1951, 0.2222.

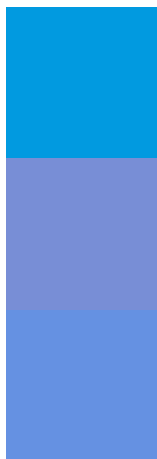


This preview shows how white text looks on a background with the Yxy color 28.4930, 0.1951, 0.2222.

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

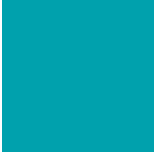
28.4995, 0.1951, 0.2223

Protanopia

28.1941, 0.2360, 0.2251

Deuteranopia

28.5085, 0.2186, 0.2133



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.4995, 0.1951, 0.2223

Protanomaly

27.1975, 0.2106, 0.2204

Deuteranomaly

27.7060, 0.2035, 0.2144

Tritanomaly

28.2595, 0.2087, 0.2713

Monochromacy



Original Color

28.4995, 0.1951, 0.2223

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 28.4930, 0.1951, 0.2222 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(1, 154, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 154, 224) }
```

Border

The CSS property to change the border of an element to Yxy 28.4930, 0.1951, 0.2222 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, 224) }
```

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

```
.border{ border-color:rgb(1, 154, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 154, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 154, 224); box-shadow:4px 4px 4px 4px rgb(1, 154, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4930, 0.1951, 0.2222 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, 224) }
```

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

```
.background{ background-color: rgb(1, 154,  
224) }
```

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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