

Converting Colors

$Yxy(24.5914, 0.1331, 0.2132)$

Have a look what the booklet for
Yxy(24.5914, 0.1331, 0.2132)
contains.

Yxy(29.8900, 0.1966, 0.2276)	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(29.8900, 0.1966, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	019EE1
RGB	1, 158, 225
RGB Percent	0%, 62%, 88%
CMY	0.9976, 0.3804, 0.1178
CMYK	1.00, 0.30, 0.00, 0.12
HSL	198°, 99%, 44%
HSV	198°, 100%, 88%
XYZ	25.8189, 29.8900, 75.6180
YIQ	118.6950, -115.0790, -12.4470

Conversions

Conversions Part 2

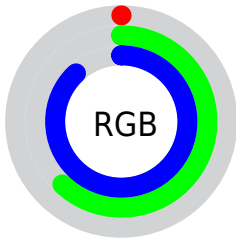
Format	Color
RYB	1, 93, 225
Decimal	106209
CIELab	61.56, -10.49, -43.39
CIELCh	62, 44.640, 256.412
Yxy	29.8900, 0.1966, 0.2276
Android (android.graphics.Color)	4278296289 (0xFF019EE1)
YUV	118.6950, 52.4084, -103.2185
Hunter-Lab	54.6717, -11.3785, -43.7354

Details

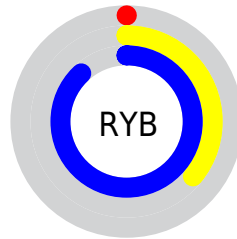
The Yxy color **29.8900, 0.1966, 0.2276** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.0873, 0.5980, 0.3631**, and the grayscale version is **18.1652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3102, 0.2281, 0.2757**, and **13.3800, 0.1903, 0.2050** is the 20% darker color. If you saturate the color by 10%, you get **29.8248, 0.1965, 0.2273**, and if you desaturate by 10%, it is **32.4243, 0.2014, 0.2388**.

Distribution



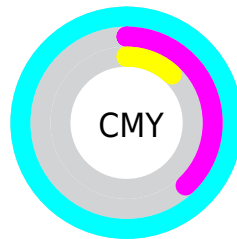
- Red (0%)
- Green (62%)
- Blue (88%)



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



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (38%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8900, 0.1966, 0.2276 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 29.8900, 0.1966, 0.2276 by changing the saturation by 10% instead.

■ 29.8900, 0.1966,
0.2276

■ 29.8900, 0.1966,
0.2276

■ 301.3914, 0.2551,
0.2804

■ 19.7551, 0.1825,
0.2143

■ 59.4882, 0.2176,
0.2470

■ 12.2172, 0.1648,
0.1973

■ 79.7203, 0.2256,
0.2542

■ 6.8918, 0.1423,
0.1753

■ 104.0868, 0.2324,
0.2603

■ 3.3945, 0.1135,
0.1460

■ 132.9724, 0.2382,
0.2655

■ 1.3410, 0.0771,
0.1070

■ 166.7612, 0.2433,
0.2700

■ 0.1726, 0.0000,
0.0308

205.8377, 0.2477,

■ 0.0000, 0.0000,

0.2739

0.0000

250.5863, 0.2516,
0.2774

■ 29.8900, 0.1966,
0.2276

■ 29.8900, 0.1966,
0.2276

■ 29.8248, 0.1965,
0.2273

■ 32.4243, 0.2014,
0.2388

■ 35.2936, 0.2079,
0.2501

■ 38.5645, 0.2165,
0.2615

■ 42.2766, 0.2270,
0.2728

■ 46.4634, 0.2392,
0.2838

■ 51.1545, 0.2527,
0.2942

■ 56.3767, 0.2672,
0.3041

■ 62.1544, 0.2823,
0.3132

■ 68.5104, 0.2977,
0.3216

Harmonies

Analogous

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



29.8900, 0.1874, 0.2634



29.8900, 0.1966, 0.2276



29.8900, 0.2325, 0.2189

Triad

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



29.8900, 0.1966, 0.2276



29.8900, 0.4300, 0.3151



29.8900, 0.3188, 0.4551

Complementary

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



29.8900, 0.1966, 0.2276



20.0873, 0.5980, 0.3631

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.



29.8900, 0.3869, 0.4568



29.8900, 0.1966, 0.2276



29.8900, 0.4564, 0.3687

Square

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



29.8900, 0.1966, 0.2276



29.8900, 0.3669, 0.2676



29.8900, 0.4384, 0.4205



29.8900, 0.2527, 0.4035

Rectangle

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



29.8900, 0.1966, 0.2276



29.8900, 0.2704, 0.2263



29.8900, 0.4384, 0.4205



29.8900, 0.3422, 0.4613

Sweetspot

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



29.8910, 0.1966, 0.2276



74.5503, 0.2665, 0.3036



54.2084, 0.2903, 0.5651



15.3106, 0.2602, 0.2995



0.0000, 0.0000, 0.0000



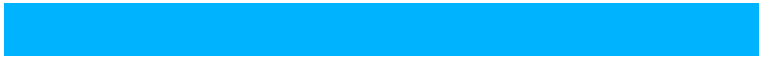
21.4041, 0.3127, 0.3290

Same Dimension

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



29.8910, 0.1966, 0.2276



39.4133, 0.1963, 0.2265



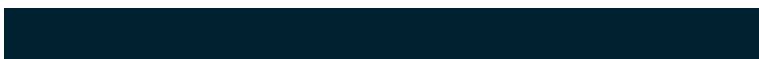
7.6536, 0.1560, 0.0812



14.8453, 0.2982, 0.3218



17.4052, 0.1970, 0.2290



1.3605, 0.2018, 0.2463

Inverse Universe

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



18.4839, 0.4151, 0.2062



24.5099, 0.4163, 0.2067



47.1940, 0.4641, 0.4696



13.8623, 0.3183, 0.3127



10.6651, 0.4136, 0.2052



0.7548, 0.3959, 0.1955

Previews

White Background



This preview shows how the Yxy color 29.8900, 0.1966, 0.2276 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 29.8900, 0.1966, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

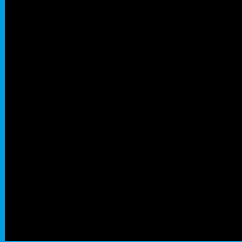
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8900, 0.1966, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 29.8900, 0.1966, 0.2276.

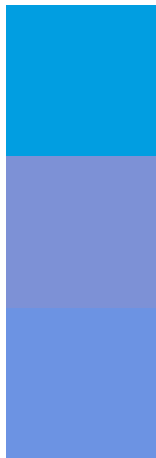


This preview shows how white text looks on a background with the Yxy color 29.8900, 0.1966, 0.2276.

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

29.8964, 0.1966, 0.2276

Protanopia

29.4658, 0.2402, 0.2304

Deuteranopia

29.6016, 0.2227, 0.2163



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

29.8964, 0.1966, 0.2276



Protanomaly

28.5801, 0.2135, 0.2270



Deuteranomaly

28.8894, 0.2061, 0.2185



Tritanomaly

29.7357, 0.2098, 0.2754

Monochromacy



Original Color

29.8964, 0.1966, 0.2276



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.7802, 0.2378, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8900, 0.1966, 0.2276 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, 158, 225)` looks like.

```
.text, #text, p{  
    color:rgb(1, 158, 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, 158, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 158, 225) }
```

Border

The CSS property to change the border of an element to Yxy 29.8900, 0.1966, 0.2276 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, 158, 225) }
```

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

```
.border{ border-color:rgb(1, 158, 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, 158, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 158, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 158, 225);  
box-shadow:4px 4px 4px 4px rgb(1, 158,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8900, 0.1966, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 158, 225) }
```

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

```
.background{ background-color: rgb(1, 158,  
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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