

Converting Colors

$Yxy(29.1534, 0.1919, 0.2109)$

Have a look what the booklet for
Yxy(29.1534, 0.1919, 0.2109)
contains.

Yxy(29.1094, 0.1917, 0.2102)	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(29.1094, 0.1917, 0.2102)

Conversions

Conversions Part 1

Format	Color
Hex	009AEB
RGB	0, 154, 235
RGB Percent	0%, 60%, 92%
CMY	1.0000, 0.3960, 0.0784
CMYK	1.00, 0.34, 0.00, 0.08
HSL	201°, 100%, 46%
HSV	201°, 100%, 92%
XYZ	26.5474, 29.1094, 82.8275
YIQ	117.1880, -117.7850, -7.4570

Conversions

Conversions Part 2

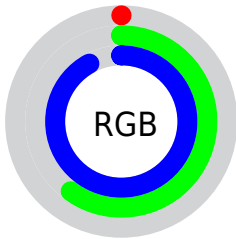
Format	Color
R _Y B	0, 93, 235
Decimal	39659
CIE Lab	60.88, -4.53, -50.02
CIE LCh	61, 50.229, 264.821
Yxy	29.1094, 0.1917, 0.2102
Android (android.graphics.Color)	4278229739 (0xFF009AEB)
YUV	117.1880, 58.0813, -102.7739
Hunter-Lab	53.9531, -6.5877, -53.2533

Details

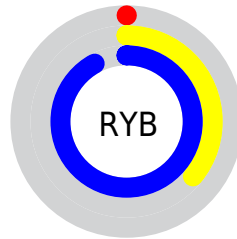
The Yxy color **29.1094, 0.1917, 0.2102** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **23.5503, 0.5874, 0.3718**, and the grayscale version is **17.6969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4576, 0.2277, 0.2706**, and **12.9552, 0.1845, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **29.1135, 0.1917, 0.2102**, and if you desaturate by 10%, it is **32.0668, 0.1970, 0.2232**.

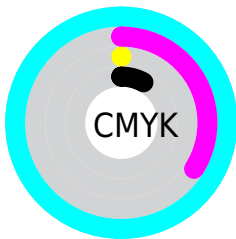
Distribution



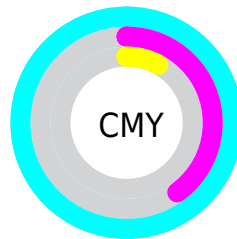
- Red (0%)
- Green (60%)
- Blue (92%)



- Red (0%)
- Yellow (36%)
- Blue (92%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (40%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1094, 0.1917, 0.2102 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 29.1094, 0.1917, 0.2102 by changing the saturation by 10% instead.


 29.1094, 0.1917,
0.2102


 29.1094, 0.1917,
0.2102

297.7308, 0.2525,
0.2707

 19.1636, 0.1772,
0.1955


 58.2509, 0.2135,
0.2321


 11.7885, 0.1591,
0.1770


 78.2153, 0.2218,
0.2403


 6.5999, 0.1364,
0.1537


 102.2881, 0.2288,
0.2474

 3.2131, 0.1078,
0.1237

 130.8536, 0.2349,
0.2534

 1.2440, 0.0725,
0.0860

 164.2962, 0.2402,
0.2586

 0.0972, 0.0000,
0.0142

203.0004, 0.2448,

 0.0000, 0.0000,

0.2631

0.0000

247.3504, 0.2489,
0.2672

■ 29.1094, 0.1917,
0.2102

■ 29.1094, 0.1917,
0.2102

■ 29.1135, 0.1917,
0.2102

■ 32.0668, 0.1970,
0.2232

■ 35.4321, 0.2041,
0.2364

■ 39.2849, 0.2133,
0.2498

■ 43.6707, 0.2245,
0.2631

■ 48.6283, 0.2372,
0.2759

■ 54.1918, 0.2513,
0.2882

■ 60.3923, 0.2662,
0.2998

■ 67.2580, 0.2817,
0.3104

■ 74.8153, 0.2972,
0.3202

Harmonies

Analogous

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



29.1094, 0.1733, 0.2399



29.1094, 0.1917, 0.2102



29.1094, 0.2389, 0.2089

Triad

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



29.1094, 0.1917, 0.2102



29.1094, 0.4593, 0.3282



29.1094, 0.2960, 0.4631

Complementary

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



29.1094, 0.1917, 0.2102



23.5503, 0.5874, 0.3718

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.



29.1094, 0.3738, 0.4790



29.1094, 0.1917, 0.2102



29.1094, 0.4736, 0.3876

Square

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



29.1094, 0.1917, 0.2102



29.1094, 0.3966, 0.2737



29.1094, 0.4395, 0.4439



29.1094, 0.2270, 0.3902

Rectangle

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



29.1094, 0.1917, 0.2102



29.1094, 0.2856, 0.2216



29.1094, 0.4395, 0.4439



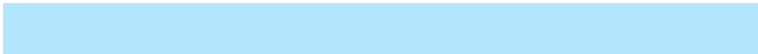
29.1094, 0.3220, 0.4755

Sweetspot

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



29.1135, 0.1917, 0.2102



72.5794, 0.2660, 0.2996



59.9802, 0.2872, 0.5539



14.8390, 0.2596, 0.2948



0.0000, 0.0000, 0.0000



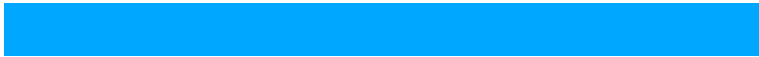
21.4041, 0.3127, 0.3290

Same Dimension

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



29.1135, 0.1917, 0.2102



34.8965, 0.1916, 0.2097



7.4612, 0.1536, 0.0729



16.1970, 0.2981, 0.3207



16.4477, 0.1923, 0.2123



1.4696, 0.1973, 0.2303

Inverse Universe

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



19.9981, 0.4339, 0.2164



24.0540, 0.4345, 0.2167



57.0751, 0.4527, 0.4787



15.2204, 0.3191, 0.3137



11.1532, 0.4316, 0.2151



0.8938, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 29.1094, 0.1917, 0.2102 looks on a white background.

Color Contrast Check

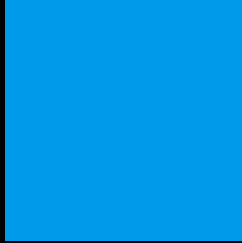
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1094, 0.1917, 0.2102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

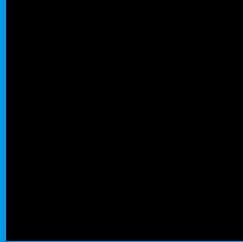
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

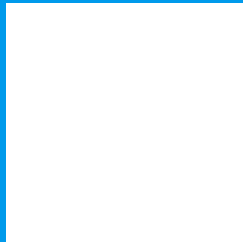
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.1094, 0.1917, 0.2102

Background



This preview shows how black text looks on a background with the Yxy color 29.1094, 0.1917, 0.2102.



This preview shows how white text looks on a background with the Yxy color 29.1094, 0.1917, 0.2102.

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

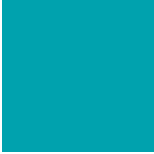
29.1094, 0.1917, 0.2102

Protanopia

28.8489, 0.2270, 0.2129

Deuteranopia

29.2060, 0.2094, 0.2036



Tritanopia

28.8967, 0.2187, 0.3074

Trichromacy



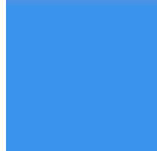
Original Color

29.1094, 0.1917, 0.2102



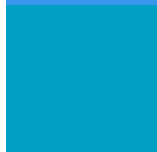
Protanomaly

27.9804, 0.2053, 0.2096



Deuteranomaly

28.7684, 0.1985, 0.2055



Tritanomaly

28.7818, 0.2075, 0.2671

Monochromacy



Original Color

29.1094, 0.1917, 0.2102



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

19.9592, 0.2339, 0.2722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1094, 0.1917, 0.2102 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, 154, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 235)  
}
```

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, 154, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 235) }
```

Border

The CSS property to change the border of an element to Yxy 29.1094, 0.1917, 0.2102 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, 154, 235) }
```

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

```
.border{ border-color:rgb(0, 154, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1094, 0.1917, 0.2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 235) }
```

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

```
.background{ background-color: rgb(0, 154,  
235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor