

Converting Colors

$Y_{xy}(29.5232, 0.1915, 0.2093)$

Have a look what the booklet for
Yxy(29.5232, 0.1915, 0.2093)
contains.

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Color

Yxy(29.5571, 0.1916, 0.2097)

Conversions

Conversions Part 1

Format	Color
Hex	009BED
RGB	0, 155, 237
RGB Percent	0%, 61%, 93%
CMY	0.9993, 0.3921, 0.0707
CMYK	1.00, 0.35, 0.00, 0.07
HSL	201°, 100%, 46%
HSV	201°, 100%, 93%
XYZ	27.0059, 29.5571, 84.3864
YIQ	118.0030, -118.7020, -7.3580

Conversions

Conversions Part 2

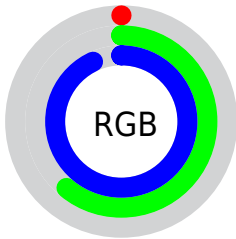
Format	Color
RYB	0, 94, 237
Decimal	39917
CIELab	61.27, -4.35, -50.49
CIELCh	61, 50.673, 265.072
Yxy	29.5571, 0.1916, 0.2097
Android (android.graphics.Color)	4278229997 (0xFF009BED)
YUV	118.0030, 58.6655, -103.4886
Hunter-Lab	54.3664, -6.4734, -53.9722

Details

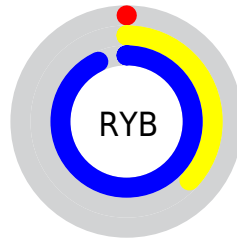
The Yxy color **29.5571, 0.1916, 0.2097** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **24.0580, 0.5869, 0.3721**, and the grayscale version is **17.9752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0091, 0.2283, 0.2719**, and **13.2368, 0.1843, 0.1836** is the 20% darker color. If you saturate the color by 10%, you get **29.5375, 0.1916, 0.2096**, and if you desaturate by 10%, it is **32.5736, 0.1969, 0.2227**.

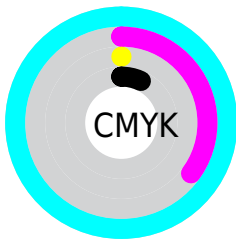
Distribution



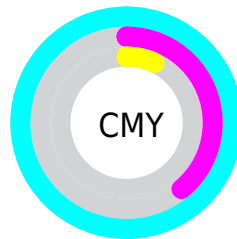
- Red (0%)
- Green (61%)
- Blue (93%)



- Red (0%)
- Yellow (37%)
- Blue (93%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (39%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5571, 0.1916, 0.2097 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 29.5571, 0.1916, 0.2097 by changing the saturation by 10% instead.


 29.5571, 0.1916,
0.2097


 29.5571, 0.1916,
0.2097


299.8345, 0.2523,
0.2703


 19.5027, 0.1771,
0.1950


 58.9610, 0.2133,
0.2315


 12.0340, 0.1592,
0.1767


 79.0793, 0.2216,
0.2398

 6.7669, 0.1367,
0.1535


 103.3211, 0.2286,
0.2468

 3.3167, 0.1084,
0.1238

 132.0706, 0.2347,
0.2529

 1.2992, 0.0734,
0.0865

 165.7123, 0.2399,
0.2581

 0.1406, 0.0038,
0.0195

204.6306, 0.2446,

 0.0000, 0.0000,

0.2627

0.0000

249.2098, 0.2486,
0.2667

■ 29.5571, 0.1916,
0.2097

■ 29.5571, 0.1916,
0.2097

■ 29.5375, 0.1916,
0.2096

■ 32.5736, 0.1969,
0.2227

■ 36.0121, 0.2040,
0.2361

■ 39.9495, 0.2133,
0.2495

■ 44.4324, 0.2244,
0.2628

■ 49.5002, 0.2373,
0.2758

■ 55.1880, 0.2513,
0.2881

■ 61.5272, 0.2663,
0.2997

■ 68.5469, 0.2817,
0.3104

■ 76.2740, 0.2974,
0.3202

Harmonies

Analogous

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



29.5571, 0.1729, 0.2392



29.5571, 0.1916, 0.2097



29.5571, 0.2392, 0.2086

Triad

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



29.5571, 0.1916, 0.2097



29.5571, 0.4601, 0.3287



29.5571, 0.2953, 0.4633

Complementary

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



29.5571, 0.1916, 0.2097



24.0580, 0.5869, 0.3721

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.



29.5571, 0.3733, 0.4796



29.5571, 0.1916, 0.2097



29.5571, 0.4740, 0.3882

Square

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



29.5571, 0.1916, 0.2097



29.5571, 0.3976, 0.2739



29.5571, 0.4394, 0.4446



29.5571, 0.2262, 0.3897

Rectangle

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



29.5571, 0.1916, 0.2097



29.5571, 0.2861, 0.2215



29.5571, 0.4394, 0.4446



29.5571, 0.3213, 0.4759

Sweetspot

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



29.5580, 0.1916, 0.2097



72.5165, 0.2660, 0.2995



61.1239, 0.2872, 0.5538



14.8240, 0.2596, 0.2947



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.



29.5580, 0.1916, 0.2097



34.7574, 0.1914, 0.2091



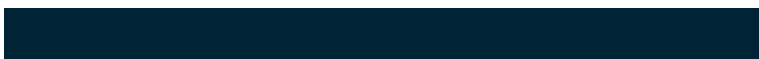
7.6076, 0.1536, 0.0729



16.1931, 0.2981, 0.3206



16.3839, 0.1922, 0.2117



1.4649, 0.1972, 0.2299

Inverse Universe

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



20.3714, 0.4344, 0.2167



24.0399, 0.4351, 0.2171



58.1666, 0.4527, 0.4787



15.2200, 0.3191, 0.3137



11.1468, 0.4322, 0.2155



0.8933, 0.4128, 0.2048

Previews

White Background



This preview shows how the Yxy color 29.5571, 0.1916, 0.2097 looks on a white background.

Color Contrast Check

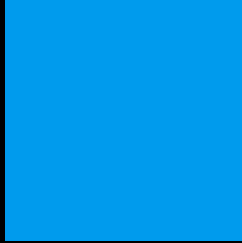
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5571, 0.1916, 0.2097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

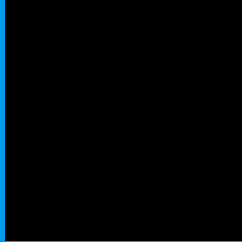
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

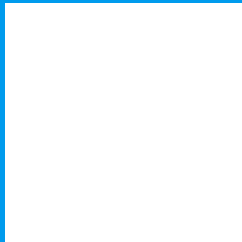
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.5571, 0.1916, 0.2097

Background



This preview shows how black text looks on a background with the Yxy color 29.5571, 0.1916, 0.2097.



This preview shows how white text looks on a background with the Yxy color 29.5571, 0.1916, 0.2097.

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

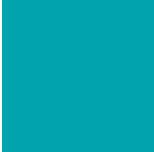
29.5571, 0.1916, 0.2097

Protanopia

29.2745, 0.2273, 0.2135

Deuteranopia

29.6360, 0.2089, 0.2031



Tritanopia

29.6461, 0.2193, 0.3094

Trichromacy



Original Color

29.5571, 0.1916, 0.2097

Protanomaly

28.4452, 0.2053, 0.2092

Deuteranomaly

29.2058, 0.1982, 0.2050

Tritanomaly

29.5670, 0.2077, 0.2677

Monochromacy



Original Color

29.5571, 0.1916, 0.2097

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

20.3017, 0.2343, 0.2726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5571, 0.1916, 0.2097 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, 155, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 237)  
}
```

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, 155, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 237) }
```

Border

The CSS property to change the border of an element to Yxy 29.5571, 0.1916, 0.2097 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, 155, 237) }
```

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

```
.border{ border-color:rgb(0, 155, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 155, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5571, 0.1916, 0.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 237) }
```

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

```
.background{ background-color: rgb(0, 155,  
237) }
```

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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