

Converting Colors

$Y_{xy}(30.5199, 0.1920, 0.2290)$

Have a look what the booklet for
Yxy(30.5199, 0.1920, 0.2290)
contains.

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Color

Yxy(31.0358, 0.1972, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	00A1E3
RGB	0, 161, 227
RGB Percent	0%, 63%, 89%
CMY	1.0000, 0.3685, 0.1099
CMYK	1.00, 0.29, 0.00, 0.11
HSL	197°, 100%, 45%
HSV	197°, 100%, 89%
XYZ	26.5983, 31.0358, 77.2456
YIQ	120.3850, -117.1420, -13.6060

Conversions

Conversions Part 2

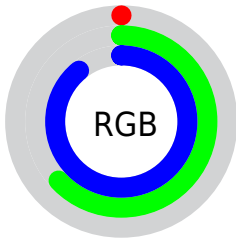
Format	Color
RYB	0, 94, 227
Decimal	41443
CIELab	62.54, -11.48, -42.97
CIElCh	63, 44.472, 255.041
Yxy	31.0358, 0.1972, 0.2301
Android (android.graphics.Color)	4278231523 (0xFF00A1E3)
YUV	120.3850, 52.5612, -105.5776
Hunter-Lab	55.7098, -12.2685, -43.2129

Details

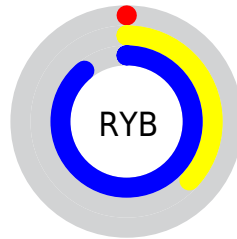
The Yxy color **31.0358, 0.1972, 0.2301** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **20.2186, 0.6007, 0.3613**, and the grayscale version is **18.7725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3959, 0.2296, 0.2809**, and **14.0921, 0.1913, 0.2085** is the 20% darker color. If you saturate the color by 10%, you get **31.0429, 0.1973, 0.2301**, and if you desaturate by 10%, it is **33.5883, 0.2019, 0.2410**.

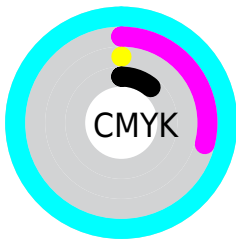
Distribution



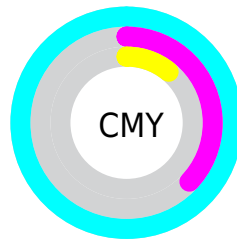
- Red (0%)
- Green (63%)
- Blue (89%)



- Red (0%)
- Yellow (37%)
- Blue (89%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (37%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0358, 0.1972, 0.2301 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 31.0358, 0.1972, 0.2301 by changing the saturation by 10% instead.


 31.0358, 0.1972,
0.2301


 31.0358, 0.1972,
0.2301


306.7032, 0.2550,
0.2815


 20.6261, 0.1833,
0.2172


 61.2964, 0.2179,
0.2489

 12.8510, 0.1659,
0.2007


 81.9162, 0.2258,
0.2560

 7.3260, 0.1439,
0.1793


 106.7080, 0.2325,
0.2619

 3.6668, 0.1157,
0.1509

 136.0564, 0.2383,
0.2670

 1.4890, 0.0799,
0.1128

 170.3457, 0.2433,
0.2714

 0.2810, 0.0000,
0.0468

209.9604, 0.2477,

 0.0000, 0.0000,

0.2752

0.0000

255.2847, 0.2516,
0.2785

■ 31.0358, 0.1972,
0.2301

■ 31.0358, 0.1972,
0.2301

■ 31.0429, 0.1973,
0.2301

■ 33.5883, 0.2019,
0.2410

■ 36.4669, 0.2083,
0.2520

■ 39.7478, 0.2167,
0.2631

■ 43.4715, 0.2270,
0.2740

■ 47.6722, 0.2390,
0.2847

■ 52.3803, 0.2524,
0.2949

■ 57.6229, 0.2668,
0.3045

■ 63.4250, 0.2819,
0.3134

■ 69.8097, 0.2973,
0.3216

Harmonies

Analogous

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



31.0358, 0.1893, 0.2668



31.0358, 0.1972, 0.2301



31.0358, 0.2315, 0.2203

Triad

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



31.0358, 0.1972, 0.2301



31.0358, 0.4259, 0.3131



31.0358, 0.3221, 0.4541

Complementary

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



31.0358, 0.1972, 0.2301



20.2186, 0.6007, 0.3613

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.



31.0358, 0.3888, 0.4539



31.0358, 0.1972, 0.2301



31.0358, 0.4539, 0.3659

Square

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



31.0358, 0.1972, 0.2301



31.0358, 0.3627, 0.2667



31.0358, 0.4383, 0.4172



31.0358, 0.2564, 0.4053

Rectangle

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



31.0358, 0.1972, 0.2301



31.0358, 0.2683, 0.2269



31.0358, 0.4383, 0.4172



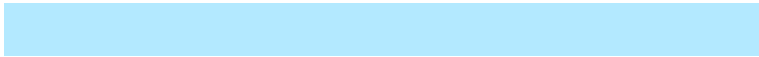
31.0358, 0.3451, 0.4594

Sweetspot

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



31.0429, 0.1973, 0.2301



74.8924, 0.2666, 0.3043



55.3002, 0.2904, 0.5656



15.3927, 0.2603, 0.3003



0.0000, 0.0000, 0.0000



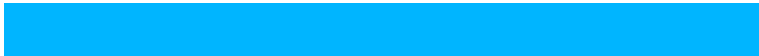
21.4041, 0.3127, 0.3290

Same Dimension

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



31.0429, 0.1973, 0.2301



40.2282, 0.1971, 0.2294



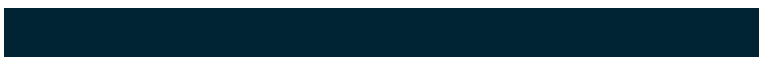
7.7565, 0.1558, 0.0807



15.5917, 0.2981, 0.3220



18.3183, 0.1977, 0.2318



1.5117, 0.2021, 0.2476

Inverse Universe

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



18.9015, 0.4125, 0.2046



24.5922, 0.4132, 0.2050



48.0886, 0.4643, 0.4695



14.5401, 0.3182, 0.3125



11.0470, 0.4108, 0.2037



0.8323, 0.3946, 0.1947

Previews

White Background



This preview shows how the Yxy color 31.0358, 0.1972, 0.2301 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.0358, 0.1972, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

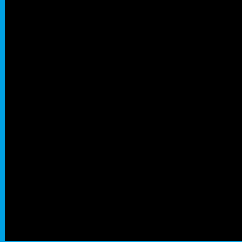
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0358, 0.1972, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 31.0358, 0.1972, 0.2301.



This preview shows how white text looks on a background with the Yxy color 31.0358, 0.1972, 0.2301.

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

31.0358, 0.1972, 0.2301

Protanopia

30.7269, 0.2419, 0.2331

Deuteranopia

30.9706, 0.2244, 0.2181



Tritanopia

30.9327, 0.2184, 0.3063

Trichromacy



Original Color

31.0358, 0.1972, 0.2301



Protanomaly

29.6991, 0.2141, 0.2295



Deuteranomaly

30.1079, 0.2068, 0.2200



Tritanomaly

30.9415, 0.2101, 0.2762

Monochromacy



Original Color

31.0358, 0.1972, 0.2301



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.3676, 0.2379, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0358, 0.1972, 0.2301 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, 161, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 227)  
}
```

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, 161, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 227) }
```

Border

The CSS property to change the border of an element to Yxy 31.0358, 0.1972, 0.2301 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, 161, 227) }
```

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

```
.border{ border-color:rgb(0, 161, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0358, 0.1972, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 227) }
```

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

```
.background{ background-color: rgb(0, 161,  
227) }
```

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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