

Converting Colors

$Y_{xy}(30.8122, 0.1912, 0.2277)$

Have a look what the booklet for
Yxy(30.8122, 0.1912, 0.2277)
contains.

Yxy(31.4978, 0.1970, 0.2293)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.4978, 0.1970, 0.2293)

Conversions

Conversions Part 1

Format	Color
Hex	00A2E5
RGB	0, 162, 229
RGB Percent	0%, 64%, 90%
CMY	1.0000, 0.3647, 0.1018
CMYK	1.00, 0.29, 0.00, 0.10
HSL	198°, 100%, 45%
HSV	198°, 100%, 90%
XYZ	27.0609, 31.4978, 78.8063
YIQ	121.2000, -118.0590, -13.5070

Conversions

Conversions Part 2

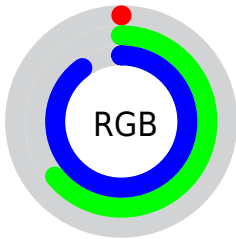
Format	Color
RYB	0, 95, 229
Decimal	41701
CIELab	62.93, -11.27, -43.49
CIELCh	63, 44.925, 255.477
Yxy	31.4978, 0.1970, 0.2293
Android (android.graphics.Color)	4278231781 (0xFF00A2E5)
YUV	121.2000, 53.1454, -106.2924
Hunter-Lab	56.1229, -12.1473, -43.9674

Details

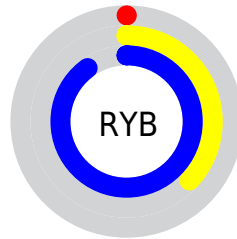
The Yxy color **31.4978, 0.1970, 0.2293** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **20.6810, 0.6003, 0.3616**, and the grayscale version is **19.0450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9099, 0.2299, 0.2822**, and **14.3860, 0.1911, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **31.5026, 0.1970, 0.2293**, and if you desaturate by 10%, it is **34.1085, 0.2017, 0.2403**.

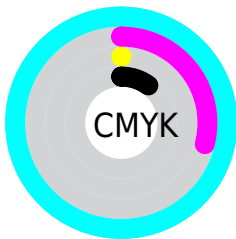
Distribution



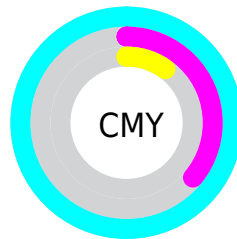
- Red (0%)
- Green (64%)
- Blue (90%)



- Red (0%)
- Yellow (37%)
- Blue (90%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (10%)




- Cyan (100%)
- Magenta (36%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4978, 0.1970, 0.2293 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 31.4978, 0.1970, 0.2293 by changing the saturation by 10% instead.


 31.4978, 0.1970,
0.2293


 31.4978, 0.1970,
0.2293


308.8252, 0.2548,
0.2809

 20.9782, 0.1831,
0.2164


 62.0230, 0.2177,
0.2482


 13.1081, 0.1659,
0.2000


 82.7973, 0.2256,
0.2553


 7.5030, 0.1440,
0.1787


 107.7587, 0.2323,
0.2612

 3.7786, 0.1161,
0.1505

 137.2916, 0.2380,
0.2663

 1.5505, 0.0808,
0.1129

 171.7802, 0.2431,
0.2707

 0.3239, 0.0052,
0.0509

211.6091, 0.2474,

 0.0000, 0.0000,

0.2745

0.0000

257.1626, 0.2513,
0.2779

■ 31.4978, 0.1970,
0.2293

■ 31.4978, 0.1970,
0.2293

■ 31.5026, 0.1970,
0.2293

■ 34.1085, 0.2017,
0.2403

■ 37.0565, 0.2081,
0.2514

■ 40.4171, 0.2165,
0.2625

■ 44.2316, 0.2269,
0.2736

■ 48.5353, 0.2389,
0.2843

■ 53.3591, 0.2524,
0.2946

■ 58.7307, 0.2668,
0.3043

■ 64.6759, 0.2819,
0.3133

■ 71.2183, 0.2973,
0.3215

Harmonies

Analogous

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



31.4978, 0.1887, 0.2657



31.4978, 0.1970, 0.2293



31.4978, 0.2318, 0.2199

Triad

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



31.4978, 0.1970, 0.2293



31.4978, 0.4272, 0.3138



31.4978, 0.3210, 0.4544

Complementary

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



31.4978, 0.1970, 0.2293



20.6810, 0.6003, 0.3616

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.



31.4978, 0.3882, 0.4548



31.4978, 0.1970, 0.2293



31.4978, 0.4547, 0.3668

Square

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



31.4978, 0.1970, 0.2293



31.4978, 0.3640, 0.2670



31.4978, 0.4383, 0.4182



31.4978, 0.2552, 0.4047

Rectangle

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



31.4978, 0.1970, 0.2293



31.4978, 0.2689, 0.2267



31.4978, 0.4383, 0.4182



31.4978, 0.3442, 0.4600

Sweetspot

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



31.5026, 0.1970, 0.2293



74.8030, 0.2665, 0.3041



56.4378, 0.2905, 0.5657



15.3712, 0.2603, 0.3001



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.



31.5026, 0.1970, 0.2293



40.0143, 0.1969, 0.2287



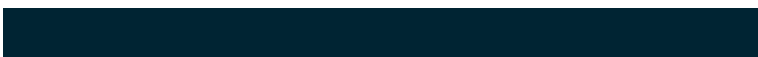
7.9082, 0.1558, 0.0807



15.5865, 0.2981, 0.3220



18.2235, 0.1975, 0.2310



1.5053, 0.2020, 0.2470

Inverse Universe

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



19.2725, 0.4134, 0.2051



24.5706, 0.4140, 0.2054



49.0683, 0.4643, 0.4695



14.5396, 0.3182, 0.3125



11.0374, 0.4116, 0.2041



0.8316, 0.3952, 0.1951

Previews

White Background



This preview shows how the Yxy color 31.4978, 0.1970, 0.2293 looks on a white background.

Color Contrast Check

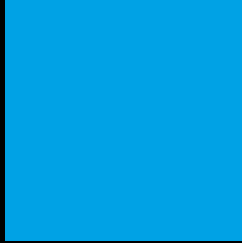
Large Text (above 18pt) WCAG AA × Fail

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 31.4978, 0.1970, 0.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

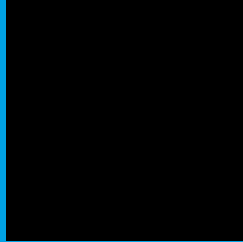
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4978, 0.1970, 0.2293

Background



This preview shows how black text looks on a background with the Yxy color 31.4978, 0.1970, 0.2293.



This preview shows how white text looks on a background with the Yxy color 31.4978, 0.1970, 0.2293.

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

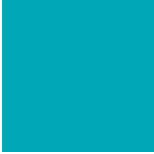
31.4978, 0.1970, 0.2293

Protanopia

31.2240, 0.2416, 0.2325

Deuteranopia

31.4042, 0.2238, 0.2174



Tritanopia

31.3415, 0.2185, 0.3065

Trichromacy



Original Color

31.4978, 0.1970, 0.2293



Protanomaly

30.1790, 0.2140, 0.2289



Deuteranomaly

30.5518, 0.2064, 0.2194



Tritanomaly

31.3497, 0.2101, 0.2765

Monochromacy



Original Color

31.4978, 0.1970, 0.2293



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.7242, 0.2383, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4978, 0.1970, 0.2293 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, 162, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 229)  
}
```

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, 162, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 229) }
```

Border

The CSS property to change the border of an element to Yxy 31.4978, 0.1970, 0.2293 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, 162, 229) }
```

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

```
.border{ border-color:rgb(0, 162, 229) }
```

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

Here you see how a box with a 4 pixel rgb(0, 162, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4978, 0.1970, 0.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 229) }
```

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

```
.background{ background-color: rgb(0, 162,  
229) }
```

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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