

Converting Colors

$Y_{xy}(27.2333, 0.1564, 0.2282)$

Have a look what the booklet for
Yxy(27.2333, 0.1564, 0.2282)
contains.

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Color

Yxy(31.1146, 0.1993, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	00A2DE
RGB	0, 162, 222
RGB Percent	0%, 64%, 87%
CMY	1.0000, 0.3647, 0.1294
CMYK	1.00, 0.27, 0.00, 0.13
HSL	196°, 100%, 44%
HSV	196°, 100%, 87%
XYZ	26.0991, 31.1146, 73.7400
YIQ	120.4020, -115.8120, -15.6840

Conversions

Conversions Part 2

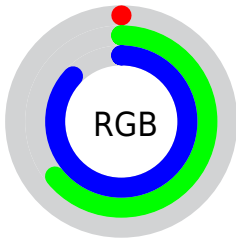
Format	Color
RYB	0, 94, 222
Decimal	41694
CIELab	62.60, -13.82, -40.11
CIELCh	63, 42.426, 250.983
Yxy	31.1146, 0.1993, 0.2376
Android (android.graphics.Color)	4278231774 (0xFF00A2DE)
YUV	120.4020, 50.0878, -105.5926
Hunter-Lab	55.7805, -14.0976, -39.3332

Details

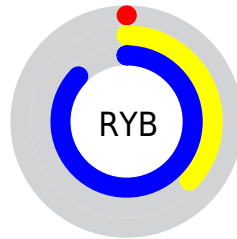
The Yxy color **31.1146, 0.1993, 0.2376** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **18.7611, 0.6052, 0.3577**, and the grayscale version is **18.7850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7888, 0.2292, 0.2821**, and **13.9419, 0.1928, 0.2142** is the 20% darker color. If you saturate the color by 10%, you get **31.1198, 0.1993, 0.2376**, and if you desaturate by 10%, it is **33.4571, 0.2037, 0.2476**.

Distribution



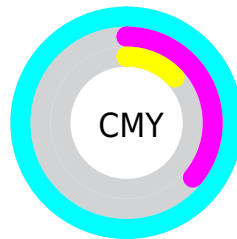
- Red (0%)
- Green (64%)
- Blue (87%)



- Red (0%)
- Yellow (37%)
- Blue (87%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (36%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1146, 0.1993, 0.2376 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 31.1146, 0.1993, 0.2376 by changing the saturation by 10% instead.

■ 31.1146, 0.1993,
0.2376

■ 31.1146, 0.1993,
0.2376

■ 307.0659, 0.2562,
0.2856

■ 20.6861, 0.1855,
0.2253

■ 61.4205, 0.2198,
0.2553

■ 12.8948, 0.1683,
0.2096

■ 82.0666, 0.2275,
0.2619

■ 7.3561, 0.1463,
0.1889

■ 106.8875, 0.2341,
0.2675

■ 3.6858, 0.1179,
0.1609

■ 136.2674, 0.2398,
0.2722

■ 1.4994, 0.0816,
0.1226

■ 170.5909, 0.2447,
0.2762

■ 0.2883, 0.0000,
0.0533

210.2421, 0.2490,

■ 0.0000, 0.0000,

0.2797

0.0000

255.6057, 0.2528,
0.2828

■ 31.1146, 0.1993,
0.2376

■ 31.1146, 0.1993,
0.2376

■ 31.1198, 0.1993,
0.2376

■ 33.4571, 0.2037,
0.2476

■ 36.0954, 0.2098,
0.2578

■ 39.1005, 0.2180,
0.2680

■ 42.5104, 0.2280,
0.2781

■ 46.3572, 0.2397,
0.2880

■ 50.6693, 0.2529,
0.2974

■ 55.4720, 0.2671,
0.3063

■ 60.7888, 0.2820,
0.3145

■ 66.6412, 0.2973,
0.3221

Harmonies

Analogous

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



31.1146, 0.1953, 0.2768



31.1146, 0.1993, 0.2376



31.1146, 0.2291, 0.2246

Triad

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



31.1146, 0.1993, 0.2376



31.1146, 0.4139, 0.3076



31.1146, 0.3311, 0.4505

Complementary

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



31.1146, 0.1993, 0.2376



18.7611, 0.6052, 0.3577

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.



31.1146, 0.3936, 0.4452



31.1146, 0.1993, 0.2376



31.1146, 0.4463, 0.3581

Square

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



31.1146, 0.1993, 0.2376



31.1146, 0.3511, 0.2641



31.1146, 0.4371, 0.4079



31.1146, 0.2670, 0.4099

Rectangle

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



31.1146, 0.1993, 0.2376



31.1146, 0.2624, 0.2289



31.1146, 0.4371, 0.4079



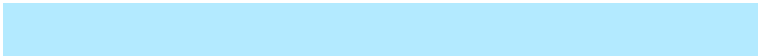
31.1146, 0.3530, 0.4536

Sweetspot

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



31.1198, 0.1993, 0.2376



75.7768, 0.2668, 0.3061



52.5629, 0.2914, 0.5690



15.6049, 0.2606, 0.3024



0.0000, 0.0000, 0.0000



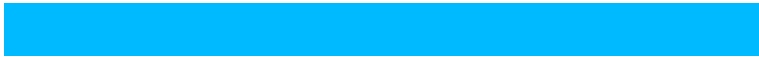
21.4041, 0.3127, 0.3290

Same Dimension

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



31.1198, 0.1993, 0.2376



42.3771, 0.1991, 0.2369



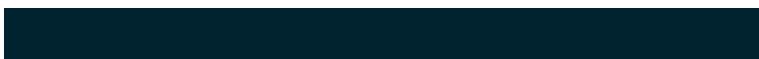
7.7124, 0.1566, 0.0839



14.9130, 0.2982, 0.3225



18.6767, 0.1998, 0.2391



1.4404, 0.2041, 0.2546

Inverse Universe

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



18.1395, 0.4047, 0.2003



24.8091, 0.4055, 0.2008



44.3562, 0.4683, 0.4664



13.8691, 0.3179, 0.3120



10.7935, 0.4032, 0.1995



0.7629, 0.3877, 0.1909

Previews

White Background



This preview shows how the Yxy color 31.1146, 0.1993, 0.2376 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 31.1146, 0.1993, 0.2376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

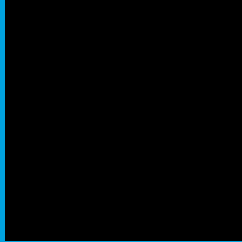
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1146, 0.1993, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 31.1146, 0.1993, 0.2376.



This preview shows how white text looks on a background with the Yxy color 31.1146, 0.1993, 0.2376.

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

31.1146, 0.1993, 0.2376

Protanopia

30.7083, 0.2471, 0.2393

Deuteranopia

31.0308, 0.2300, 0.2242



Tritanopia

30.9327, 0.2184, 0.3063

Trichromacy



Original Color

31.1146, 0.1993, 0.2376



Protanomaly

29.5278, 0.2173, 0.2356



Deuteranomaly

29.9489, 0.2099, 0.2258



Tritanomaly

30.8504, 0.2109, 0.2792

Monochromacy



Original Color

31.1146, 0.1993, 0.2376



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.2988, 0.2393, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1146, 0.1993, 0.2376 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 222) }
```

Border

The CSS property to change the border of an element to Yxy 31.1146, 0.1993, 0.2376 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, 222) }
```

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

```
.border{ border-color:rgb(0, 162, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1146, 0.1993, 0.2376 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, 222) }
```

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

```
.background{ background-color: rgb(0, 162,  
222) }
```

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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