

Converting Colors

$Y_{xy}(31.7981, 0.2023, 0.2482)$

Have a look what the booklet for
Yxy(31.7981, 0.2023, 0.2482)
contains.

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Color

Yxy(31.9200, 0.2024, 0.2487)

Conversions

Conversions Part 1

Format	Color
Hex	00A5D9
RGB	0, 165, 217
RGB Percent	0%, 65%, 85%
CMY	1.0000, 0.3529, 0.1489
CMYK	1.00, 0.24, 0.00, 0.15
HSL	194°, 100%, 43%
HSV	194°, 100%, 85%
XYZ	25.9775, 31.9200, 70.4499
YIQ	121.5930, -115.0320, -18.8080

Conversions

Conversions Part 2

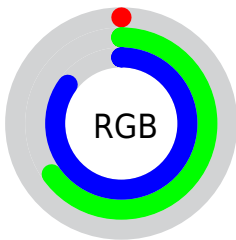
Format	Color
RYB	0, 94, 217
Decimal	42457
CIELab	63.28, -17.23, -36.30
CIELCh	63, 40.180, 244.610
Yxy	31.9200, 0.2024, 0.2487
Android (android.graphics.Color)	4278232537 (0xFF00A5D9)
YUV	121.5930, 47.0357, -106.6371
Hunter-Lab	56.4978, -16.7974, -34.3832

Details

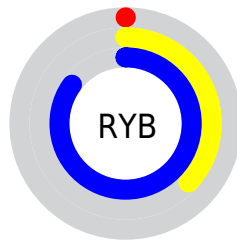
The Yxy color **31.9200, 0.2024, 0.2487** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **17.2117, 0.6115, 0.3526**, and the grayscale version is **19.1971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3495, 0.2300, 0.2859**, and **14.4189, 0.1968, 0.2283** is the 20% darker color. If you saturate the color by 10%, you get **31.9234, 0.2024, 0.2487**, and if you desaturate by 10%, it is **34.0054, 0.2065, 0.2575**.

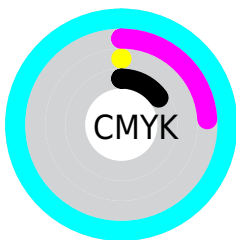
Distribution



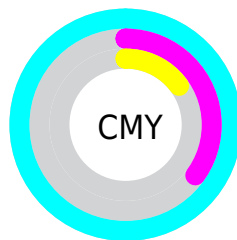
- Red (0%)
- Green (65%)
- Blue (85%)



- Red (0%)
- Yellow (37%)
- Blue (85%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9200, 0.2024, 0.2487 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 31.9200, 0.2024, 0.2487 by changing the saturation by 10% instead.


 31.9200, 0.2024,
0.2487


 31.9200, 0.2024,
0.2487


310.7547, 0.2578,
0.2913

 21.3004, 0.1889,
0.2376


 62.6857, 0.2223,
0.2646

 13.3438, 0.1720,
0.2232


 83.6005, 0.2299,
0.2705


 7.6657, 0.1504,
0.2040


 108.7159, 0.2363,
0.2754

 3.8818, 0.1222,
0.1775

 138.4162, 0.2418,
0.2796

 1.6077, 0.0857,
0.1400

 173.0858, 0.2466,
0.2831

 0.3628, 0.0000,
0.0735

213.1092, 0.2508,

 0.0000, 0.0000,

0.2862

0.0000

258.8707, 0.2545,
0.2889

■ 31.9200, 0.2024,
0.2487

■ 31.9200, 0.2024,
0.2487

■ 31.9234, 0.2024,
0.2487

■ 34.0054, 0.2065,
0.2575

■ 36.3526, 0.2122,
0.2664

■ 39.0277, 0.2198,
0.2754

■ 42.0662, 0.2294,
0.2842

■ 45.4981, 0.2408,
0.2928

■ 49.3498, 0.2535,
0.3011

■ 53.6449, 0.2674,
0.3089

■ 58.4053, 0.2822,
0.3162

■ 63.6510, 0.2973,
0.3229

Harmonies

Analogous

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



31.9200, 0.2041, 0.2915



31.9200, 0.2024, 0.2487



31.9200, 0.2257, 0.2309

Triad

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



31.9200, 0.2024, 0.2487



31.9200, 0.3970, 0.2995



31.9200, 0.3438, 0.4451

Complementary

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



31.9200, 0.2024, 0.2487



17.2117, 0.6115, 0.3526

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.



31.9200, 0.4002, 0.4332



31.9200, 0.2024, 0.2487



31.9200, 0.4349, 0.3468

Square

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



31.9200, 0.2024, 0.2487



31.9200, 0.3350, 0.2603



31.9200, 0.4349, 0.3948



31.9200, 0.2821, 0.4157

Rectangle

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



31.9200, 0.2024, 0.2487



31.9200, 0.2544, 0.2319



31.9200, 0.4349, 0.3948



31.9200, 0.3640, 0.4453

Sweetspot

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



31.9234, 0.2024, 0.2487



77.1191, 0.2671, 0.3087



49.8713, 0.2932, 0.5755



15.9275, 0.2610, 0.3054



0.0000, 0.0000, 0.0000



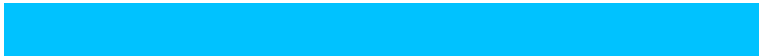
21.4041, 0.3127, 0.3290

Same Dimension

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



31.9234, 0.2024, 0.2487



45.7524, 0.2022, 0.2479



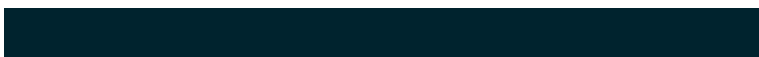
8.0239, 0.1585, 0.0906



14.2731, 0.2982, 0.3233



19.4923, 0.2028, 0.2500



1.3926, 0.2068, 0.2644

Inverse Universe

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



17.4715, 0.3935, 0.1941



25.1499, 0.3943, 0.1946



39.6015, 0.4766, 0.4598



13.2187, 0.3174, 0.3114



10.5915, 0.3922, 0.1934



0.6993, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 31.9200, 0.2024, 0.2487 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 31.9200, 0.2024, 0.2487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

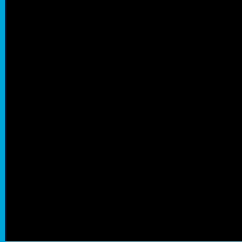
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9200, 0.2024, 0.2487

Background



This preview shows how black text looks on a background with the Yxy color 31.9200, 0.2024, 0.2487.

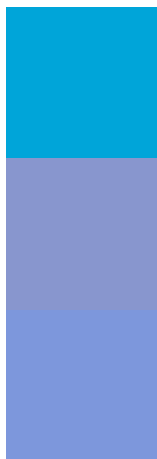


This preview shows how white text looks on a background with the Yxy color 31.9200, 0.2024, 0.2487.

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

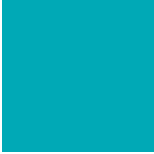
31.9200, 0.2024, 0.2487

Protanopia

31.5032, 0.2546, 0.2491

Deuteranopia

31.6605, 0.2382, 0.2324



Tritanopia

31.7533, 0.2185, 0.3066

Trichromacy



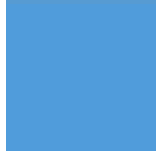
Original Color

31.9200, 0.2024, 0.2487



Protanomaly

30.1221, 0.2223, 0.2454



Deuteranomaly

30.5969, 0.2152, 0.2353



Tritanomaly

31.9454, 0.2123, 0.2844

Monochromacy



Original Color

31.9200, 0.2024, 0.2487



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.2310, 0.2417, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9200, 0.2024, 0.2487 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, 165, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 217)  
}
```

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, 165, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 217) }
```

Border

The CSS property to change the border of an element to Yxy 31.9200, 0.2024, 0.2487 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, 165, 217) }
```

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

```
.border{ border-color:rgb(0, 165, 217) }
```

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

Here you see how a box with a 4 pixel rgb(0, 165, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9200, 0.2024, 0.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 217) }
```

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

```
.background{ background-color: rgb(0, 165,  
217) }
```

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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