

Converting Colors

$Y_{xy}(31.5634, 0.2050, 0.2579)$

Have a look what the booklet for
Yxy(31.5634, 0.2050, 0.2579)
contains.

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Color

Yxy(31.5634, 0.2050, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	00A5D2
RGB	0, 165, 210
RGB Percent	0%, 65%, 82%
CMY	0.9987, 0.3529, 0.1765
CMYK	1.00, 0.21, 0.00, 0.18
HSL	193°, 100%, 41%
HSV	193°, 100%, 82%
XYZ	25.0892, 31.5634, 65.7336
YIQ	120.7950, -112.7850, -20.9850

Conversions

Conversions Part 2

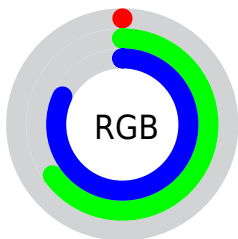
Format	Color
RYB	0, 92, 210
Decimal	42450
CIELab	62.98, -19.69, -32.86
CIELCh	63, 38.309, 239.066
Yxy	31.5634, 0.2050, 0.2579
Android (android.graphics.Color)	4278232530 (0xFF00A5D2)
YUV	120.7950, 43.9781, -105.9372
Hunter-Lab	56.1813, -18.6037, -30.0440

Details

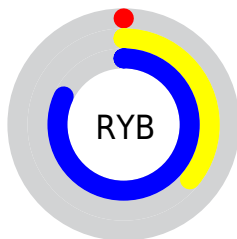
The Yxy color **31.5634, 0.2050, 0.2579** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.6013, 0.6158, 0.3490**, and the grayscale version is **18.9662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2312, 0.2293, 0.2859**, and **14.1768, 0.2000, 0.2398** is the 20% darker color. If you saturate the color by 10%, you get **31.5371, 0.2049, 0.2578**, and if you desaturate by 10%, it is **33.3796, 0.2088, 0.2657**.

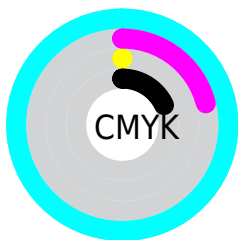
Distribution



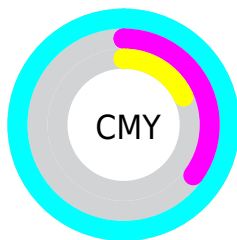
- Red (0%)
- Green (65%)
- Blue (82%)



- Red (0%)
- Yellow (36%)
- Blue (82%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5634, 0.2050, 0.2579 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 31.5634, 0.2050, 0.2579 by changing the saturation by 10% instead.


 31.5634, 0.2050,
0.2579


 31.5634, 0.2050,
0.2579


309.1256, 0.2593,
0.2962


 21.0282, 0.1917,
0.2477


 62.1260, 0.2247,
0.2724


 13.1446, 0.1748,
0.2343


 82.9222, 0.2321,
0.2776


 7.5282, 0.1531,
0.2161


 107.9076, 0.2384,
0.2820

 3.7946, 0.1246,
0.1905

 137.4666, 0.2438,
0.2858

 1.5593, 0.0870,
0.1532

 171.9834, 0.2484,
0.2890

 0.3299, 0.0000,
0.0791

211.8426, 0.2525,

 0.0000, 0.0000,

0.2917

0.0000

257.4285, 0.2561,
0.2941

■ 31.5634, 0.2050,
0.2579

■ 31.5634, 0.2050,
0.2579

■ 31.5371, 0.2049,
0.2578

■ 33.3796, 0.2088,
0.2657

■ 35.4278, 0.2142,
0.2736

■ 37.7666, 0.2215,
0.2815

■ 40.4283, 0.2308,
0.2893

■ 43.4403, 0.2418,
0.2969

■ 46.8265, 0.2543,
0.3043

■ 50.6087, 0.2680,
0.3112

■ 54.8066, 0.2825,
0.3177

■ 59.4385, 0.2976,
0.3236

Harmonies

Analogous

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



31.5634, 0.2114, 0.3034



31.5634, 0.2050, 0.2579



31.5634, 0.2232, 0.2361

Triad

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



31.5634, 0.2050, 0.2579



31.5634, 0.3835, 0.2930



31.5634, 0.3537, 0.4406

Complementary

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



31.5634, 0.2050, 0.2579



15.6013, 0.6158, 0.3490

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.



31.5634, 0.4050, 0.4237



31.5634, 0.2050, 0.2579



31.5634, 0.4255, 0.3378

Square

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



31.5634, 0.2050, 0.2579



31.5634, 0.3225, 0.2573



31.5634, 0.4326, 0.3845



31.5634, 0.2942, 0.4197

Rectangle

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



31.5634, 0.2050, 0.2579



31.5634, 0.2482, 0.2343



31.5634, 0.4326, 0.3845



31.5634, 0.3725, 0.4386

Sweetspot

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



31.5645, 0.2050, 0.2579



78.2345, 0.2673, 0.3109



46.2579, 0.2947, 0.5809



16.1961, 0.2614, 0.3079



0.0000, 0.0000, 0.0000



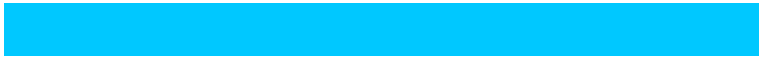
21.4041, 0.3127, 0.3290

Same Dimension

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



31.5645, 0.2050, 0.2579



48.6598, 0.2047, 0.2569



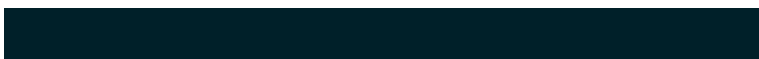
8.2346, 0.1608, 0.0986



12.9585, 0.2983, 0.3239



19.3916, 0.2053, 0.2589



1.1942, 0.2092, 0.2732

Inverse Universe

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



16.4234, 0.3844, 0.1892



25.4434, 0.3854, 0.1897



34.5956, 0.4849, 0.4531



11.9638, 0.3170, 0.3109



10.0289, 0.3834, 0.1886



0.5718, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 31.5634, 0.2050, 0.2579 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 31.5634, 0.2050, 0.2579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

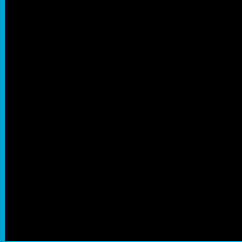
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5634, 0.2050, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 31.5634, 0.2050, 0.2579.

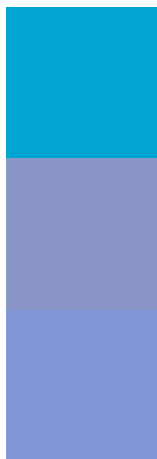


This preview shows how white text looks on a background with the Yxy color 31.5634, 0.2050, 0.2579.

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

31.5634, 0.2050, 0.2579

Protanopia

31.2932, 0.2617, 0.2593

Deuteranopia

31.2839, 0.2449, 0.2396

Trichromacy



Original Color

31.5634, 0.2050, 0.2579

Protanomaly

29.7817, 0.2268, 0.2558

Deuteranomaly

29.9900, 0.2189, 0.2424

Monochromacy



Original Color

31.5634, 0.2050, 0.2579

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

21.7690, 0.2435, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5634, 0.2050, 0.2579 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 210) }
```

Border

The CSS property to change the border of an element to Yxy 31.5634, 0.2050, 0.2579 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, 210) }
```

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

```
.border{ border-color:rgb(0, 165, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
210) }
```

Background

The CSS property to change the background color of an element to Yxy 31.5634, 0.2050, 0.2579 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, 210) }
```

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

```
.background{ background-color: rgb(0, 165,  
210) }
```

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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