

Converting Colors

$Y_{xy}(23.3612, 0.0911, 0.2354)$

Have a look what the booklet for
Yxy(23.3612, 0.0911, 0.2354)
contains.

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Color

Yxy(31.7144, 0.2039, 0.2539)

Conversions

Conversions Part 1

Format	Color
Hex	01A5D5
RGB	1, 165, 213
RGB Percent	0%, 65%, 84%
CMY	0.9980, 0.3530, 0.1647
CMYK	1.00, 0.23, 0.00, 0.16
HSL	194°, 100%, 42%
HSV	194°, 100%, 84%
XYZ	25.4689, 31.7144, 67.7257
YIQ	121.4360, -113.1520, -19.8400

Conversions

Conversions Part 2

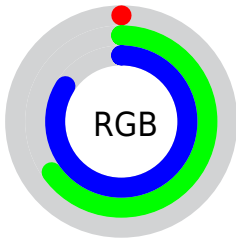
Format	Color
RYB	1, 93, 213
Decimal	107989
CIELab	63.11, -18.62, -34.33
CIELCh	63, 39.060, 241.522
Yxy	31.7144, 0.2039, 0.2539
Android (android.graphics.Color)	4278298069 (0xFF01A5D5)
YUV	121.4360, 45.1411, -105.6224
Hunter-Lab	56.3155, -17.8248, -31.8819

Details

The Yxy color **31.7144, 0.2039, 0.2539** 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 **16.3017, 0.6136, 0.3507**, and the grayscale version is **19.0955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2900, 0.2297, 0.2859**, and **14.2789, 0.1986, 0.2348** is the 20% darker color. If you saturate the color by 10%, you get **31.6712, 0.2038, 0.2537**, and if you desaturate by 10%, it is **33.6490, 0.2078, 0.2621**.

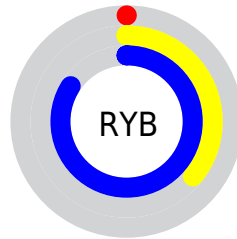
Distribution



Red (0%)

Green (65%)

Blue (84%)



Red (0%)

Yellow (36%)

Blue (84%)

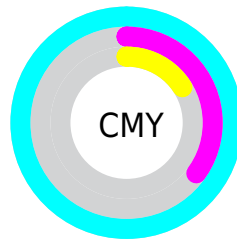


Cyan (100%)

Magenta (23%)

Yellow (0%)

Black (16%)



Cyan (100%)

Magenta (35%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7144, 0.2039, 0.2539 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 31.7144, 0.2039, 0.2539 by changing the saturation by 10% instead.

■ 31.7144, 0.2039,
0.2539

■ 31.7144, 0.2039,
0.2539

■ 309.8162, 0.2587,
0.2941

■ 21.1434, 0.1905,
0.2433

■ 62.3631, 0.2237,
0.2690

■ 13.2289, 0.1737,
0.2294

■ 83.2096, 0.2312,
0.2745

■ 7.5864, 0.1520,
0.2108

■ 108.2501, 0.2375,
0.2792

■ 3.8314, 0.1236,
0.1848

■ 137.8690, 0.2429,
0.2831

■ 1.5797, 0.0865,
0.1473

■ 172.4507, 0.2477,
0.2864

■ 0.3439, 0.0000,
0.0766

212.3795, 0.2518,

■ 0.0000, 0.0000,

0.2893

0.0000

258.0399, 0.2554,
0.2919

■ 31.7144, 0.2039,
0.2539

■ 31.7144, 0.2039,
0.2539

■ 31.6712, 0.2038,
0.2537

■ 33.6490, 0.2078,
0.2621

■ 35.8309, 0.2134,
0.2705

■ 38.3197, 0.2209,
0.2789

■ 41.1490, 0.2303,
0.2871

■ 44.3471, 0.2415,
0.2952

■ 47.9389, 0.2542,
0.3030

■ 51.9470, 0.2680,
0.3103

■ 56.3920, 0.2826,
0.3171

■ 61.2929, 0.2977,
0.3234

Harmonies

Analogous

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



31.7144, 0.2083, 0.2982



31.7144, 0.2039, 0.2539



31.7144, 0.2243, 0.2338

Triad

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



31.7144, 0.2039, 0.2539



31.7144, 0.3893, 0.2959



31.7144, 0.3494, 0.4425

Complementary

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



31.7144, 0.2039, 0.2539



16.3017, 0.6136, 0.3507

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.



31.7144, 0.4029, 0.4278



31.7144, 0.2039, 0.2539



31.7144, 0.4295, 0.3417

Square

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



31.7144, 0.2039, 0.2539



31.7144, 0.3278, 0.2587



31.7144, 0.4336, 0.3889



31.7144, 0.2890, 0.4180

Rectangle

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



31.7144, 0.2039, 0.2539



31.7144, 0.2509, 0.2333



31.7144, 0.4336, 0.3889



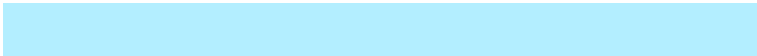
31.7144, 0.3688, 0.4414

Sweetspot

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



31.7155, 0.2039, 0.2539



77.7300, 0.2672, 0.3099



47.7906, 0.2939, 0.5780



16.0746, 0.2612, 0.3068



0.0000, 0.0000, 0.0000



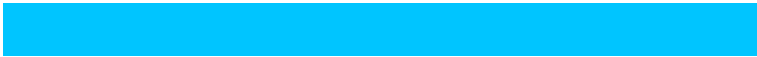
21.4041, 0.3127, 0.3290

Same Dimension

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



31.7155, 0.2039, 0.2539



47.3335, 0.2036, 0.2529



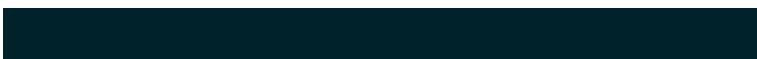
8.1136, 0.1597, 0.0948



13.6099, 0.2982, 0.3236



19.5068, 0.2042, 0.2549



1.2959, 0.2081, 0.2692

Inverse Universe

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



16.8727, 0.3884, 0.1914



25.3095, 0.3894, 0.1919



36.8598, 0.4805, 0.4565



12.5825, 0.3172, 0.3111



10.3141, 0.3874, 0.1908



0.6341, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 31.7144, 0.2039, 0.2539 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 31.7144, 0.2039, 0.2539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

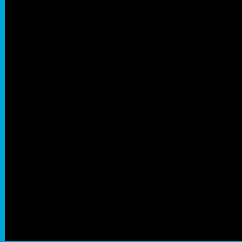
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7144, 0.2039, 0.2539

Background



This preview shows how black text looks on a background with the Yxy color 31.7144, 0.2039, 0.2539.



This preview shows how white text looks on a background with the Yxy color 31.7144, 0.2039, 0.2539.

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

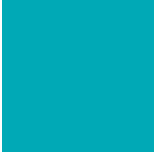
31.7208, 0.2039, 0.2539

Protanopia

31.4330, 0.2596, 0.2555

Deuteranopia

31.3598, 0.2423, 0.2360



Tritanopia

31.7533, 0.2185, 0.3066

Trichromacy



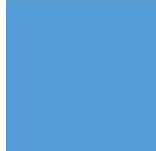
Original Color

31.7208, 0.2039, 0.2539



Protanomaly

29.9252, 0.2253, 0.2519



Deuteranomaly

30.1428, 0.2175, 0.2387



Tritanomaly

31.8555, 0.2132, 0.2874

Monochromacy



Original Color

31.7208, 0.2039, 0.2539



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.8022, 0.2428, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7144, 0.2039, 0.2539 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(1, 165, 213)` looks like.

```
.text, #text, p{  
    color:rgb(1, 165, 213)  
}
```

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(1, 165, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 165, 213) }
```

Border

The CSS property to change the border of an element to Yxy 31.7144, 0.2039, 0.2539 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(1, 165, 213) }
```

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

```
.border{ border-color:rgb(1, 165, 213) }
```

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

Here you see how a box with a 4 pixel rgb(1, 165, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 165, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 165, 213);  
box-shadow:4px 4px 4px 4px rgb(1, 165,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7144, 0.2039, 0.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 165, 213) }
```

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

```
.background{ background-color: rgb(1, 165,  
213) }
```

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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