

Converting Colors

$Y_{xy}(27.9020, 0.1608, 0.2584)$

Have a look what the booklet for
Yxy(27.9020, 0.1608, 0.2584)
contains.

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Color

Yxy(31.7287, 0.2070, 0.2650)

Conversions

Conversions Part 1

Format	Color
Hex	01A6CE
RGB	1, 166, 206
RGB Percent	0%, 65%, 81%
CMY	0.9971, 0.3491, 0.1921
CMYK	1.00, 0.19, 0.00, 0.19
HSL	192°, 99%, 41%
HSV	192°, 100%, 81%
XYZ	24.7843, 31.7287, 63.2179
YIQ	121.2250, -111.1800, -22.5400

Conversions

Conversions Part 2

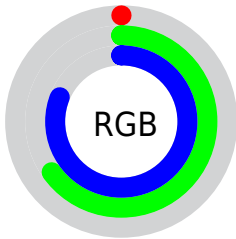
Format	Color
R_{YB}	1, 92, 206
Decimal	108238
CIE _{Lab}	63.12, -21.59, -30.44
CIE _{LCh}	63, 37.318, 234.651
Yxy	31.7287, 0.2070, 0.2650
Android (android.graphics.Color)	4278298318 (0xFF01A6CE)
YUV	121.2250, 41.7941, -105.4373
Hunter-Lab	56.3282, -20.0348, -27.1122

Details

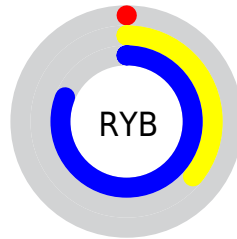
The Yxy color **31.7287, 0.2070, 0.2650** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.6943, 0.6188, 0.3464**, and the grayscale version is **19.0570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7577, 0.2296, 0.2872**, and **14.3016, 0.2020, 0.2473** is the 20% darker color. If you saturate the color by 10%, you get **31.6733, 0.2069, 0.2648**, and if you desaturate by 10%, it is **33.3713, 0.2106, 0.2720**.

Distribution



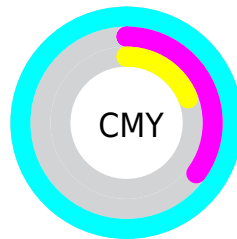
- Red (0%)
- Green (65%)
- Blue (81%)



- Red (0%)
- Yellow (36%)
- Blue (81%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (19%)




- Cyan (100%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7287, 0.2070, 0.2650 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 31.7287, 0.2070, 0.2650 by changing the saturation by 10% instead.

 31.7287, 0.2070,
0.2650


 31.7287, 0.2070,
0.2650


309.8815, 0.2604,
0.2998

 21.1544, 0.1938,
0.2556


 62.3855, 0.2264,
0.2782

 13.2369, 0.1772,
0.2431


 83.2368, 0.2337,
0.2831


 7.5919, 0.1556,
0.2261


 108.2825, 0.2398,
0.2870

 3.8349, 0.1271,
0.2017

 137.9071, 0.2451,
0.2904

 1.5817, 0.0891,
0.1652

 172.4949, 0.2497,
0.2933

 0.3452, 0.0000,
0.0905

212.4303, 0.2537,

 0.0000, 0.0000,

0.2958

0.0000

258.0977, 0.2573,
0.2979

■ 31.7287, 0.2070,
0.2650

■ 31.7287, 0.2070,
0.2650

■ 31.6733, 0.2069,
0.2648

■ 33.3713, 0.2106,
0.2720

■ 35.2282, 0.2158,
0.2791

■ 37.3545, 0.2229,
0.2862

■ 39.7806, 0.2319,
0.2932

■ 42.5323, 0.2427,
0.3001

■ 45.6325, 0.2550,
0.3067

■ 49.1016, 0.2685,
0.3130

■ 52.9583, 0.2829,
0.3188

■ 57.2200, 0.2979,
0.3242

Harmonies

Analogous

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



31.7287, 0.2169, 0.3125



31.7287, 0.2070, 0.2650



31.7287, 0.2213, 0.2401

Triad

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



31.7287, 0.2070, 0.2650



31.7287, 0.3735, 0.2881



31.7287, 0.3611, 0.4371

Complementary

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



31.7287, 0.2070, 0.2650



14.6943, 0.6188, 0.3464

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.



31.7287, 0.4084, 0.4168



31.7287, 0.2070, 0.2650



31.7287, 0.4182, 0.3311

Square

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



31.7287, 0.2070, 0.2650



31.7287, 0.3133, 0.2551



31.7287, 0.4307, 0.3769



31.7287, 0.3033, 0.4224

Rectangle

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



31.7287, 0.2070, 0.2650



31.7287, 0.2436, 0.2362



31.7287, 0.4307, 0.3769



31.7287, 0.3788, 0.4335

Sweetspot

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



31.7298, 0.2070, 0.2650



79.1142, 0.2675, 0.3125



44.2958, 0.2954, 0.5831



16.4083, 0.2616, 0.3099



0.0000, 0.0000, 0.0000



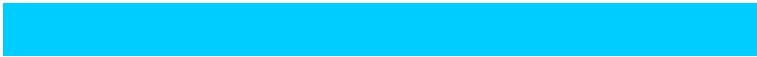
21.4041, 0.3127, 0.3290

Same Dimension

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



31.7298, 0.2070, 0.2650



51.0177, 0.2067, 0.2639



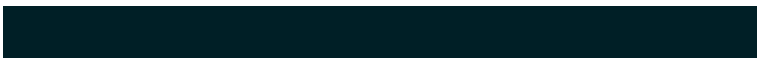
8.3273, 0.1621, 0.1032



12.3408, 0.2983, 0.3244



19.6380, 0.2072, 0.2658



1.1107, 0.2110, 0.2795

Inverse Universe

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



15.8923, 0.3776, 0.1855



25.6814, 0.3786, 0.1859



32.1770, 0.4890, 0.4497



11.3648, 0.3167, 0.3105



9.7855, 0.3768, 0.1850



0.5147, 0.3640, 0.1779

Previews

White Background



This preview shows how the Yxy color 31.7287, 0.2070, 0.2650 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 31.7287, 0.2070, 0.2650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

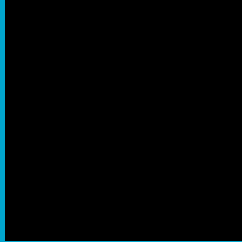
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7287, 0.2070, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 31.7287, 0.2070, 0.2650.



This preview shows how white text looks on a background with the Yxy color 31.7287, 0.2070, 0.2650.

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

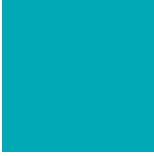
31.7351, 0.2070, 0.2650

Protanopia

31.3705, 0.2671, 0.2649

Deuteranopia

31.4524, 0.2497, 0.2438



Tritanopia

31.7533, 0.2185, 0.3066

Trichromacy



Original Color

31.7351, 0.2070, 0.2650



Protanomaly

30.0278, 0.2304, 0.2630



Deuteranomaly

30.3117, 0.2221, 0.2481



Tritanomaly

31.7669, 0.2140, 0.2905

Monochromacy



Original Color

31.7351, 0.2070, 0.2650



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.7361, 0.2442, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7287, 0.2070, 0.2650 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, 166, 206)` looks like.

```
.text, #text, p{  
    color:rgb(1, 166, 206)  
}
```

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, 166, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 166, 206) }
```

Border

The CSS property to change the border of an element to Yxy 31.7287, 0.2070, 0.2650 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, 166, 206) }
```

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

```
.border{ border-color:rgb(1, 166, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 166, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 166, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 166, 206);  
box-shadow:4px 4px 4px 4px rgb(1, 166,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7287, 0.2070, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 166, 206) }
```

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

```
.background{ background-color: rgb(1, 166,  
206) }
```

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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