

Converting Colors

$Y_{xy}(29.5855, 0.1836, 0.2563)$

Have a look what the booklet for
Yxy(29.5855, 0.1836, 0.2563)
contains.

Yxy(31.5137, 0.2054, 0.2592)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(31.5137, 0.2054, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	01A5D1
RGB	1, 165, 209
RGB Percent	0%, 65%, 82%
CMY	0.9964, 0.3530, 0.1804
CMYK	1.00, 0.21, 0.00, 0.18
HSL	193°, 99%, 41%
HSV	193°, 100%, 82%
XYZ	24.9727, 31.5137, 65.0943
YIQ	120.9800, -111.8680, -21.0840

Conversions

Conversions Part 2

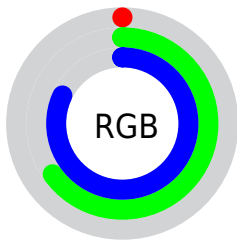
Format	Color
RYB	1, 93, 209
Decimal	107985
CIELab	62.94, -20.01, -32.38
CIELCh	63, 38.066, 238.285
Yxy	31.5137, 0.2054, 0.2592
Android (android.graphics.Color)	4278298065 (0xFF01A5D1)
YUV	120.9800, 43.3939, -105.2225
Hunter-Lab	56.1371, -18.8339, -29.4543

Details

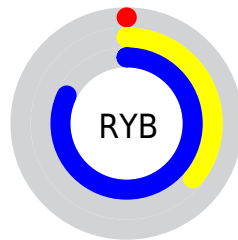
The Yxy color **31.5137, 0.2054, 0.2592** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.4304, 0.6157, 0.3488**, and the grayscale version is **18.9861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2312, 0.2293, 0.2859**, and **14.1433, 0.2004, 0.2415** is the 20% darker color. If you saturate the color by 10%, you get **31.4397, 0.2053, 0.2589**, and if you desaturate by 10%, it is **33.3000, 0.2092, 0.2669**.

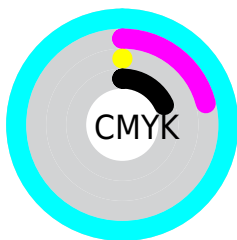
Distribution



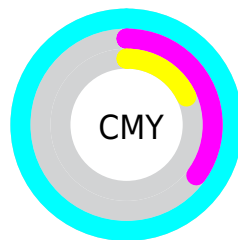
- Red (0%)
- Green (65%)
- Blue (82%)



- 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 31.5137, 0.2054, 0.2592 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 31.5137, 0.2054, 0.2592 by changing the saturation by 10% instead.


 31.5137, 0.2054,
0.2592


 31.5137, 0.2054,
0.2592

308.8980, 0.2596,
0.2969


 20.9903, 0.1921,
0.2491


 62.0479, 0.2250,
0.2735

 13.1169, 0.1753,
0.2359


 82.8276, 0.2324,
0.2787


 7.5091, 0.1536,
0.2179


 107.7948, 0.2387,
0.2830

 3.7825, 0.1250,
0.1925

 137.3340, 0.2441,
0.2866

 1.5526, 0.0873,
0.1552

 171.8295, 0.2487,
0.2898

 0.3254, 0.0000,
0.0800

211.6657, 0.2528,

 0.0000, 0.0000,

0.2925

0.0000

257.2271, 0.2564,
0.2948

■ 31.5137, 0.2054,
0.2592

■ 31.5137, 0.2054,
0.2592

■ 31.4397, 0.2053,
0.2589

■ 33.3000, 0.2092,
0.2669

■ 35.3173, 0.2146,
0.2746

■ 37.6215, 0.2220,
0.2824

■ 40.2444, 0.2312,
0.2901

■ 43.2128, 0.2422,
0.2976

■ 46.5503, 0.2547,
0.3048

■ 50.2784, 0.2684,
0.3116

■ 54.4165, 0.2830,
0.3180

■ 58.9827, 0.2981,
0.3239

Harmonies

Analogous

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



31.5137, 0.2124, 0.3051



31.5137, 0.2054, 0.2592



31.5137, 0.2229, 0.2369

Triad

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



31.5137, 0.2054, 0.2592



31.5137, 0.3817, 0.2922



31.5137, 0.3551, 0.4399

Complementary

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



31.5137, 0.2054, 0.2592



15.4304, 0.6157, 0.3488

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.



31.5137, 0.4056, 0.4224



31.5137, 0.2054, 0.2592



31.5137, 0.4241, 0.3366

Square

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



31.5137, 0.2054, 0.2592



31.5137, 0.3208, 0.2570



31.5137, 0.4323, 0.3831



31.5137, 0.2959, 0.4202

Rectangle

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



31.5137, 0.2054, 0.2592



31.5137, 0.2474, 0.2347



31.5137, 0.4323, 0.3831



31.5137, 0.3736, 0.4376

Sweetspot

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



31.5148, 0.2054, 0.2592



78.3696, 0.2673, 0.3111



45.7829, 0.2947, 0.5804



16.2287, 0.2614, 0.3082



0.0000, 0.0000, 0.0000



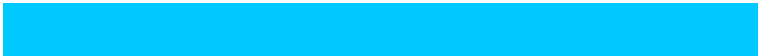
21.4041, 0.3127, 0.3290

Same Dimension

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



31.5148, 0.2054, 0.2592



49.0183, 0.2050, 0.2580



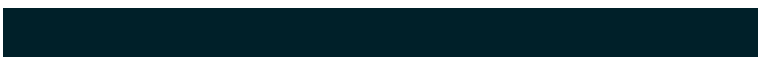
8.2024, 0.1610, 0.0991



12.9648, 0.2983, 0.3240



19.5301, 0.2056, 0.2600



1.2008, 0.2095, 0.2741

Inverse Universe

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



16.2926, 0.3832, 0.1886



25.4796, 0.3843, 0.1891



34.2957, 0.4846, 0.4532



11.9644, 0.3170, 0.3109



10.0428, 0.3824, 0.1880



0.5725, 0.3690, 0.1806

Previews

White Background



This preview shows how the Yxy color 31.5137, 0.2054, 0.2592 looks on a white background.

Color Contrast Check

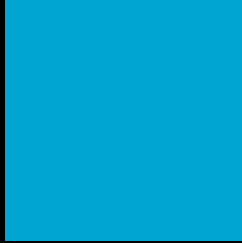
Large Text (above 18pt) WCAG AA × Fail

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 31.5137, 0.2054, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

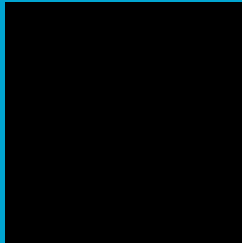
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5137, 0.2054, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 31.5137, 0.2054, 0.2592.

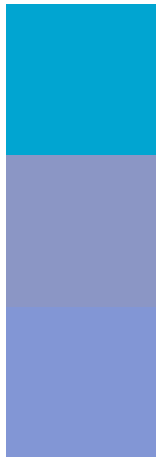


This preview shows how white text looks on a background with the Yxy color 31.5137, 0.2054, 0.2592.

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

31.5202, 0.2054, 0.2592

Protanopia

31.3329, 0.2632, 0.2607

Deuteranopia

31.3626, 0.2456, 0.2398

Trichromacy



Original Color

31.5202, 0.2054, 0.2592

Protanomaly

29.7836, 0.2279, 0.2572

Deuteranomaly

30.0352, 0.2194, 0.2425

Monochromacy



Original Color

31.5202, 0.2054, 0.2592

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 31.5137, 0.2054, 0.2592 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(1, 165, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 165, 209) }
```

Border

The CSS property to change the border of an element to Yxy 31.5137, 0.2054, 0.2592 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, 209) }
```

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

```
.border{ border-color:rgb(1, 165, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 165, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 165, 209);  
box-shadow:4px 4px 4px 4px rgb(1, 165,  
209) }
```

Background

The CSS property to change the background color of an element to Yxy 31.5137, 0.2054, 0.2592 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, 209) }
```

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

```
.background{ background-color: rgb(1, 165,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor