

Converting Colors

$Y_{xy}(31.2614, 0.2148, 0.2914)$

Have a look what the booklet for
Yxy(31.2614, 0.2148, 0.2914)
contains.

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Color

Yxy(31.3567, 0.2150, 0.2919)

Conversions

Conversions Part 1

Format	Color
Hex	08A7BD
RGB	8, 167, 189
RGB Percent	3%, 65%, 74%
CMY	0.9700, 0.3451, 0.2589
CMYK	0.96, 0.12, 0.00, 0.26
HSL	187°, 92%, 39%
HSV	187°, 96%, 74%
XYZ	23.0959, 31.3567, 52.9702
YIQ	121.9670, -101.8260, -26.8660

Conversions

Conversions Part 2

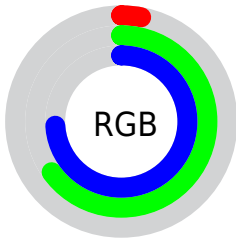
Format	Color
RYB	8, 93, 189
Decimal	567229
CIELab	62.81, -27.68, -21.42
CIELCh	63, 34.999, 217.739
Yxy	31.3567, 0.2150, 0.2919
Android (android.graphics.Color)	4278757309 (0xFF08A7BD)
YUV	121.9670, 33.0473, -99.9491
Hunter-Lab	55.9971, -24.3728, -16.8872

Details

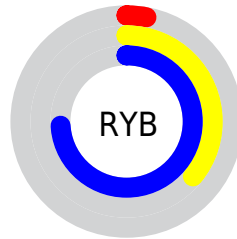
The Yxy color **31.3567, 0.2150, 0.2919** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.7440, 0.6212, 0.3396**, and the grayscale version is **19.3276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5444, 0.2333, 0.3000**, and **14.0390, 0.2112, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **30.9699, 0.2140, 0.2902**, and if you desaturate by 10%, it is **32.3825, 0.2182, 0.2961**.

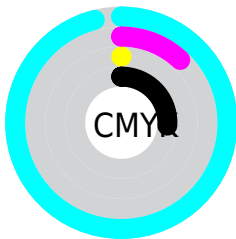
Distribution



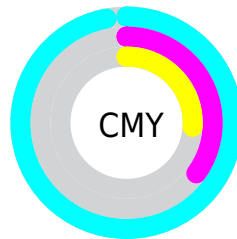
- Red (3%)
- Green (65%)
- Blue (74%)



- Red (3%)
- Yellow (36%)
- Blue (74%)



- Cyan (96%)
- Magenta (12%)
- Yellow (0%)
- Black (26%)



- Cyan (97%)
- Magenta (35%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3567, 0.2150, 0.2919 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 31.3567, 0.2150, 0.2919 by changing the saturation by 10% instead.

31.3567, 0.2150,
0.2919

31.3567, 0.2150,
0.2919

308.1783, 0.2649,
0.3131

20.8706, 0.2024,
0.2857

61.8012, 0.2333,
0.3003

13.0295, 0.1863,
0.2772

82.5285, 0.2401,
0.3032

7.4488, 0.1650,
0.2651

107.4382, 0.2459,
0.3056

3.7443, 0.1361,
0.2465

136.9148, 0.2508,
0.3076

1.5316, 0.0947,
0.2159

171.3428, 0.2551,
0.3093

0.3108, 0.0000,
0.1276

211.1064, 0.2588,

0.0000, 0.0000,

0.3108

0.0000

256.5901, 0.2620,
0.3120

■ 31.3567, 0.2150,
0.2919

■ 31.3567, 0.2150,
0.2919

■ 30.9699, 0.2140,
0.2902

■ 32.3825, 0.2182,
0.2961

■ 33.5858, 0.2231,
0.3003

■ 34.9965, 0.2300,
0.3045

■ 36.6373, 0.2387,
0.3087

■ 38.5277, 0.2492,
0.3128

■ 40.6852, 0.2612,
0.3167

■ 43.1255, 0.2744,
0.3205

■ 45.8631, 0.2887,
0.3240

■ 48.9115, 0.3036,
0.3272

Harmonies

Analogous

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



31.3567, 0.2377, 0.3455



31.3567, 0.2150, 0.2919



31.3567, 0.2156, 0.2557

Triad

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



31.3567, 0.2150, 0.2919



31.3567, 0.3386, 0.2711



31.3567, 0.3860, 0.4235

Complementary

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



31.3567, 0.2150, 0.2919



11.7440, 0.6212, 0.3396

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.



31.3567, 0.4186, 0.3926



31.3567, 0.2150, 0.2919



31.3567, 0.3913, 0.3075

Square

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



31.3567, 0.2150, 0.2919



31.3567, 0.2826, 0.2475



31.3567, 0.4214, 0.3505



31.3567, 0.3353, 0.4289

Rectangle

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



31.3567, 0.2150, 0.2919



31.3567, 0.2288, 0.2437



31.3567, 0.4214, 0.3505



31.3567, 0.3995, 0.4153

Sweetspot

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



31.3578, 0.2150, 0.2919



75.6577, 0.2696, 0.3192



36.5258, 0.2973, 0.5867



15.8718, 0.2640, 0.3176



95.5105, 0.3127, 0.3290



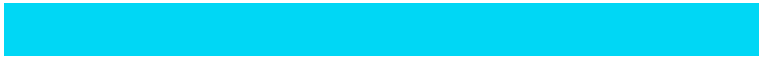
19.5994, 0.3127, 0.3290

Same Dimension

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



31.3578, 0.2150, 0.2919



55.2383, 0.2138, 0.2896



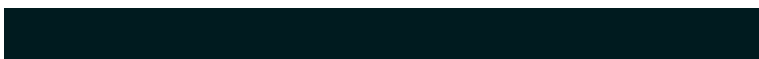
9.0530, 0.1700, 0.1289



10.6066, 0.2985, 0.3261



20.9160, 0.2141, 0.2908



0.8756, 0.2169, 0.3007

Inverse Universe

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



13.7727, 0.3525, 0.1731



24.2886, 0.3547, 0.1728



24.1400, 0.5011, 0.4370



9.6758, 0.3156, 0.3091



9.1412, 0.3537, 0.1722



0.3638, 0.3448, 0.1673

Previews

White Background



This preview shows how the Yxy color 31.3567, 0.2150, 0.2919 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 31.3567, 0.2150, 0.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

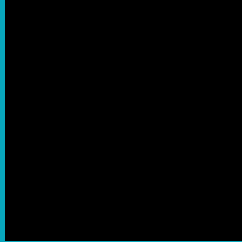
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3567, 0.2150, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 31.3567, 0.2150, 0.2919.

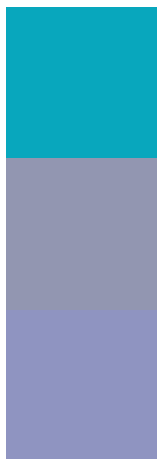


This preview shows how white text looks on a background with the Yxy color 31.3567, 0.2150, 0.2919.

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

31.3632, 0.2150, 0.2919

Protanopia

31.0980, 0.2848, 0.2885

Deuteranopia

30.8697, 0.2692, 0.2635



Tritanopia

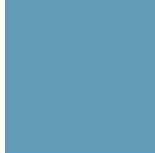
31.3415, 0.2185, 0.3065

Trichromacy



Original Color

31.3632, 0.2150, 0.2919



Protanomaly

29.5999, 0.2438, 0.2880



Deuteranomaly

29.6281, 0.2356, 0.2701



Tritanomaly

31.4853, 0.2173, 0.3016

Monochromacy



Original Color

31.3632, 0.2150, 0.2919



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.9578, 0.2510, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3567, 0.2150, 0.2919 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(8, 167, 189)` looks like.

```
.text, #text, p{  
    color:rgb(8, 167, 189)  
}
```

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(8, 167, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 167, 189) }
```

Border

The CSS property to change the border of an element to Yxy 31.3567, 0.2150, 0.2919 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(8, 167, 189) }
```

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

```
.border{ border-color:rgb(8, 167, 189) }
```

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

Here you see how a box with a 4 pixel rgb(8, 167, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 167, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 167, 189);  
box-shadow:4px 4px 4px 4px rgb(8, 167,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3567, 0.2150, 0.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 167, 189) }
```

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

```
.background{ background-color: rgb(8, 167,  
189) }
```

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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