

Converting Colors

$Y_{xy}(31.2053, 0.2015, 0.2417)$

Have a look what the booklet for
Yxy(31.2053, 0.2015, 0.2417)
contains.

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Color

Yxy(31.0567, 0.2014, 0.2415)

Conversions

Conversions Part 1

Format	Color
Hex	0FA2DB
RGB	15, 162, 219
RGB Percent	6%, 64%, 86%
CMY	0.9420, 0.3647, 0.1412
CMYK	0.93, 0.26, 0.00, 0.14
HSL	197°, 87%, 46%
HSV	197°, 93%, 86%
XYZ	25.8999, 31.0567, 71.6426
YIQ	124.5450, -105.9090, -13.4370

Conversions

Conversions Part 2

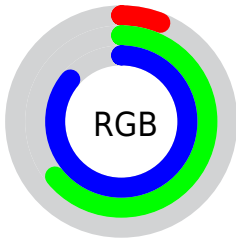
Format	Color
RYB	15, 100, 219
Decimal	1024731
CIELab	62.56, -14.44, -38.51
CIElCh	63, 41.133, 249.443
Yxy	31.0567, 0.2014, 0.2415
Android (android.graphics.Color)	4279214811 (0xFF0FA2DB)
YUV	124.5450, 46.5663, -96.0710
Hunter-Lab	55.7285, -14.5670, -37.2111

Details

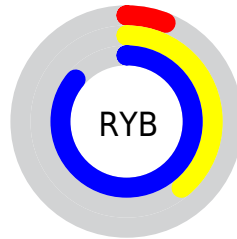
The Yxy color **31.0567, 0.2014, 0.2415** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **19.6999, 0.5865, 0.3656**, and the grayscale version is **20.1956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9715, 0.2302, 0.2822**, and **13.8322, 0.1941, 0.2187** is the 20% darker color. If you saturate the color by 10%, you get **29.5266, 0.1985, 0.2345**, and if you desaturate by 10%, it is **33.5516, 0.2070, 0.2520**.

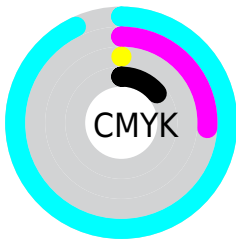
Distribution



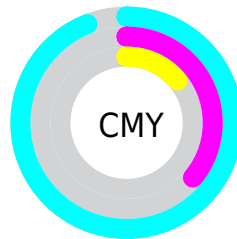
- Red (6%)
- Green (64%)
- Blue (86%)



- Red (6%)
- Yellow (39%)
- Blue (86%)



- Cyan (93%)
- Magenta (26%)
- Yellow (0%)
- Black (14%)



- Cyan (94%)
- Magenta (36%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0567, 0.2014, 0.2415 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 31.0567, 0.2014, 0.2415 by changing the saturation by 10% instead.

■ 31.0567, 0.2014,
0.2415

■ 31.0567, 0.2014,
0.2415

■ 306.7994, 0.2574,
0.2876

■ 20.6420, 0.1878,
0.2296

■ 61.3293, 0.2216,
0.2586

■ 12.8626, 0.1706,
0.2143

■ 81.9561, 0.2292,
0.2650

■ 7.3340, 0.1488,
0.1940

■ 106.7556, 0.2357,
0.2703

■ 3.6718, 0.1203,
0.1663

■ 136.1124, 0.2413,
0.2748

■ 1.4917, 0.0836,
0.1279

■ 170.4108, 0.2461,
0.2787

■ 0.2829, 0.0000,
0.0560

210.0351, 0.2504,

■ 0.0000, 0.0000,

0.2821

0.0000

255.3699, 0.2541,
0.2850

■ 31.0567, 0.2014,
0.2415

■ 31.0567, 0.2014,
0.2415

■ 29.5266, 0.1985,
0.2345

■ 33.5516, 0.2070,
0.2520

■ 36.3934, 0.2146,
0.2626

■ 39.6226, 0.2242,
0.2731

■ 43.2719, 0.2355,
0.2834

■ 47.3697, 0.2483,
0.2933

■ 51.9418, 0.2623,
0.3026

■ 57.0113, 0.2771,
0.3114

■ 62.5998, 0.2923,
0.3194

■ 68.7274, 0.3077,
0.3268

Harmonies

Analogous

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



31.0567, 0.1989, 0.2812



31.0567, 0.2014, 0.2415



31.0567, 0.2293, 0.2274

Triad

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



31.0567, 0.2014, 0.2415



31.0567, 0.4083, 0.3059



31.0567, 0.3342, 0.4474

Complementary

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



31.0567, 0.2014, 0.2415



19.6999, 0.5865, 0.3656

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.



31.0567, 0.3944, 0.4407



31.0567, 0.2014, 0.2415



31.0567, 0.4417, 0.3551

Square

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



31.0567, 0.2014, 0.2415



31.0567, 0.3466, 0.2639



31.0567, 0.4350, 0.4038



31.0567, 0.2714, 0.4102

Rectangle

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



31.0567, 0.2014, 0.2415



31.0567, 0.2611, 0.2308



31.0567, 0.4350, 0.4038



31.0567, 0.3554, 0.4498

Sweetspot

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



31.0577, 0.2014, 0.2415



76.8202, 0.2696, 0.3071



51.1926, 0.2894, 0.5568



15.7905, 0.2633, 0.3032



0.0000, 0.0000, 0.0000



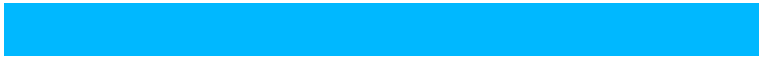
21.4041, 0.3127, 0.3290

Same Dimension

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



31.0577, 0.2014, 0.2415



41.4331, 0.1982, 0.2336



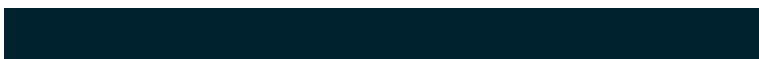
8.7078, 0.1612, 0.0953



14.1832, 0.2982, 0.3223



17.7021, 0.1989, 0.2361



1.2892, 0.2036, 0.2530

Inverse Universe

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



18.0041, 0.4004, 0.2008



24.7138, 0.4088, 0.2026



44.3507, 0.4625, 0.4670



13.2096, 0.3180, 0.3123



10.4108, 0.4063, 0.2012



0.6888, 0.3892, 0.1918

Previews

White Background



This preview shows how the Yxy color 31.0567, 0.2014, 0.2415 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 31.0567, 0.2014, 0.2415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

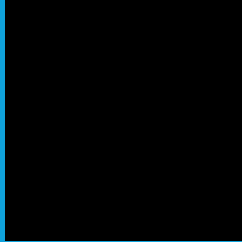
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0567, 0.2014, 0.2415

Background



This preview shows how black text looks on a background with the Yxy color 31.0567, 0.2014, 0.2415.

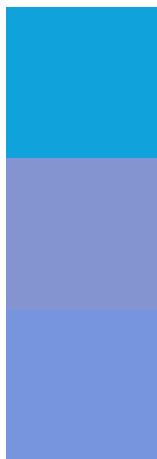


This preview shows how white text looks on a background with the Yxy color 31.0567, 0.2014, 0.2415.

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

31.0567, 0.2014, 0.2415

Protanopia

30.6394, 0.2498, 0.2431

Deuteranopia

30.6908, 0.2326, 0.2263



Tritanopia

30.9327, 0.2184, 0.3063

Trichromacy



Original Color

31.0567, 0.2014, 0.2415

Protanomaly

29.6598, 0.2216, 0.2399

Deuteranomaly

30.0810, 0.2140, 0.2299

Tritanomaly

30.8376, 0.2117, 0.2807

Monochromacy



Original Color

31.0567, 0.2014, 0.2415

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.5650, 0.2445, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0567, 0.2014, 0.2415 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(15, 162, 219)` looks like.

```
.text, #text, p{  
    color:rgb(15, 162, 219)  
}
```

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(15, 162, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 162, 219) }
```

Border

The CSS property to change the border of an element to Yxy 31.0567, 0.2014, 0.2415 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(15, 162, 219) }
```

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

```
.border{ border-color:rgb(15, 162, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 162, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 162, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 162, 219);  
box-shadow:4px 4px 4px 4px rgb(15, 162,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0567, 0.2014, 0.2415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 162, 219) }
```

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

```
.background{ background-color: rgb(15, 162,  
219) }
```

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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