

Converting Colors

$Yxy(31.2365, 0.2128, 0.2861)$

Have a look what the booklet for
Yxy(31.2365, 0.2128, 0.2861)
contains.

Yxy(31.0782, 0.2126, 0.2854)	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>	30

Color

Yxy(31.0782, 0.2126, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	00A6C0
RGB	0, 166, 192
RGB Percent	0%, 65%, 75%
CMY	1.0000, 0.3490, 0.2469
CMYK	1.00, 0.14, 0.00, 0.25
HSL	188°, 100%, 38%
HSV	188°, 100%, 75%
XYZ	23.1508, 31.0782, 54.6645
YIQ	119.3300, -107.2820, -27.1060

Conversions

Conversions Part 2

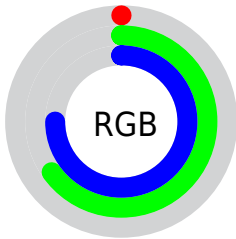
Format	Color
RYB	0, 89, 192
Decimal	42688
CIELab	62.57, -26.42, -23.48
CIELCh	63, 35.351, 221.632
Yxy	31.0782, 0.2126, 0.2854
Android (android.graphics.Color)	4278232768 (0xFF00A6C0)
YUV	119.3300, 35.8263, -104.6524
Hunter-Lab	55.7478, -23.4319, -19.1144

Details

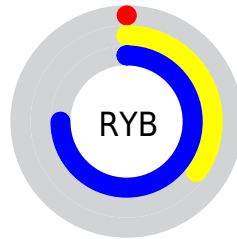
The Yxy color **31.0782, 0.2126, 0.2854** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **11.9504, 0.6282, 0.3394**, and the grayscale version is **18.4692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1429, 0.2314, 0.2951**, and **13.8696, 0.2094, 0.2739** is the 20% darker color. If you saturate the color by 10%, you get **31.0808, 0.2126, 0.2854**, and if you desaturate by 10%, it is **32.1772, 0.2155, 0.2901**.

Distribution



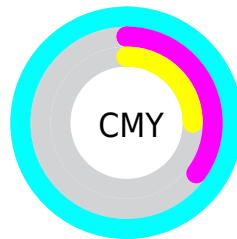
- Red (0%)
- Green (65%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (35%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0782, 0.2126, 0.2854 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 31.0782, 0.2126, 0.2854 by changing the saturation by 10% instead.


 31.0782, 0.2126,
0.2854

 31.0782, 0.2126,
0.2854


306.8984, 0.2637,
0.3101

 20.6584, 0.1998,
0.2783


 61.3632, 0.2313,
0.2950


 12.8745, 0.1833,
0.2687


 81.9971, 0.2383,
0.2985

 7.3422, 0.1618,
0.2551


 106.8046, 0.2442,
0.3013

 3.6770, 0.1327,
0.2346

 136.1700, 0.2492,
0.3036

 1.4946, 0.0915,
0.2016

 170.4777, 0.2536,
0.3056

 0.2849, 0.0000,
0.1090

210.1120, 0.2574,

 0.0000, 0.0000,

0.3073

0.0000

255.4575, 0.2607,
0.3088

■ 31.0782, 0.2126,
0.2854

■ 31.0782, 0.2126,
0.2854

■ 31.0808, 0.2126,
0.2854

■ 32.1772, 0.2155,
0.2901

■ 33.4317, 0.2199,
0.2948

■ 34.8942, 0.2262,
0.2996

■ 36.5904, 0.2343,
0.3043

■ 38.5416, 0.2443,
0.3090

■ 40.7669, 0.2558,
0.3135

■ 43.2834, 0.2687,
0.3178

■ 46.1066, 0.2827,
0.3218

■ 49.2510, 0.2975,
0.3256

Harmonies

Analogous

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



31.0782, 0.2325, 0.3381



31.0782, 0.2126, 0.2854



31.0782, 0.2163, 0.2516

Triad

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



31.0782, 0.2126, 0.2854



31.0782, 0.3465, 0.2746



31.0782, 0.3809, 0.4272

Complementary

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



31.0782, 0.2126, 0.2854



11.9504, 0.6282, 0.3394

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.



31.0782, 0.4171, 0.3982



31.0782, 0.2126, 0.2854



31.0782, 0.3979, 0.3126

Square

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



31.0782, 0.2126, 0.2854



31.0782, 0.2891, 0.2487



31.0782, 0.4244, 0.3564



31.0782, 0.3282, 0.4284

Rectangle

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



31.0782, 0.2126, 0.2854



31.0782, 0.2316, 0.2415



31.0782, 0.4244, 0.3564



31.0782, 0.3955, 0.4199

Sweetspot

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



31.0808, 0.2126, 0.2854



78.1683, 0.2681, 0.3176



37.7853, 0.2972, 0.5898



16.3423, 0.2625, 0.3158



97.7402, 0.3127, 0.3290



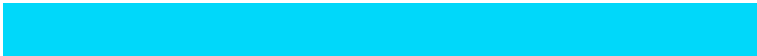
20.4902, 0.3127, 0.3290

Same Dimension

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



31.0808, 0.2126, 0.2854



56.0229, 0.2124, 0.2847



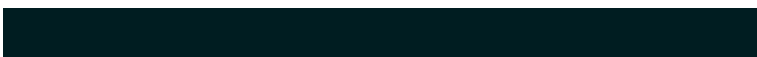
8.2390, 0.1657, 0.1163



11.1881, 0.2984, 0.3258



20.9903, 0.2128, 0.2860



0.9727, 0.2157, 0.2965

Inverse Universe

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



13.9637, 0.3585, 0.1749



25.2649, 0.3592, 0.1752



25.0361, 0.5026, 0.4391



10.2233, 0.3158, 0.3093



9.4012, 0.3580, 0.1746



0.4128, 0.3485, 0.1694

Previews

White Background



This preview shows how the Yxy color 31.0782, 0.2126, 0.2854 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 31.0782, 0.2126, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

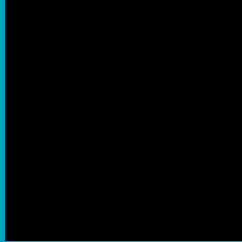
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0782, 0.2126, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 31.0782, 0.2126, 0.2854.

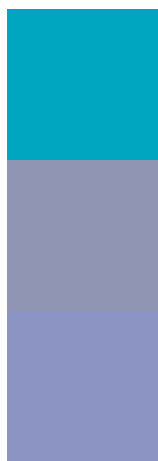


This preview shows how white text looks on a background with the Yxy color 31.0782, 0.2126, 0.2854.

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

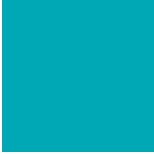
31.0782, 0.2126, 0.2854

Protanopia

30.7195, 0.2804, 0.2826

Deuteranopia

30.7408, 0.2645, 0.2592



Tritanopia

30.9736, 0.2180, 0.3047

Trichromacy



Original Color

31.0782, 0.2126, 0.2854



Protanomaly

29.1787, 0.2392, 0.2815



Deuteranomaly

29.5067, 0.2311, 0.2654



Tritanomaly

31.1402, 0.2162, 0.2982

Monochromacy



Original Color

31.0782, 0.2126, 0.2854



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.2201, 0.2475, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0782, 0.2126, 0.2854 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(0, 166, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 192)  
}
```

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(0, 166, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 192) }
```

Border

The CSS property to change the border of an element to Yxy 31.0782, 0.2126, 0.2854 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(0, 166, 192) }
```

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

```
.border{ border-color:rgb(0, 166, 192) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0782, 0.2126, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 192) }
```

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

```
.background{ background-color: rgb(0, 166,  
192) }
```

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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