

Converting Colors

$Y_{xy}(26.2216, 0.1446, 0.2937)$

Have a look what the booklet for
Yxy(26.2216, 0.1446, 0.2937)
contains.

Yxy(31.1402, 0.2162, 0.2982)	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(31.1402, 0.2162, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	00A7B9
RGB	0, 167, 185
RGB Percent	0%, 65%, 73%
CMY	0.9986, 0.3451, 0.2746
CMYK	1.00, 0.10, 0.00, 0.27
HSL	186°, 100%, 36%
HSV	186°, 100%, 73%
XYZ	22.5772, 31.1402, 50.7099
YIQ	119.1190, -105.3100, -29.8060

Conversions

Conversions Part 2

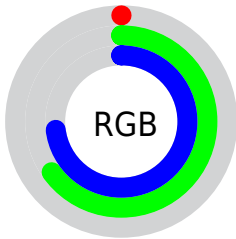
Format	Color
RYB	0, 88, 185
Decimal	42937
CIELab	62.63, -29.25, -19.47
CIELCh	63, 35.133, 213.645
Yxy	31.1402, 0.2162, 0.2982
Android (android.graphics.Color)	4278233017 (0xFF00A7B9)
YUV	119.1190, 32.4793, -104.4674
Hunter-Lab	55.8034, -25.4377, -14.8158

Details

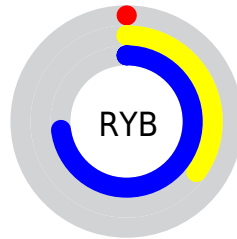
The Yxy color **31.1402, 0.2162, 0.2982** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.7569, 0.6320, 0.3361**, and the grayscale version is **18.4426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7229, 0.2346, 0.3061**, and **13.9274, 0.2136, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **31.1262, 0.2162, 0.2981**, and if you desaturate by 10%, it is **31.9409, 0.2187, 0.3015**.

Distribution



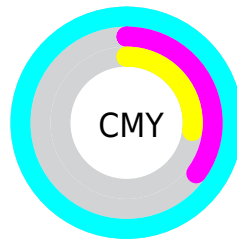
- Red (0%)
- Green (65%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1402, 0.2162, 0.2982 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 31.1402, 0.2162, 0.2982 by changing the saturation by 10% instead.

31.1402, 0.2162,
0.2982

31.1402, 0.2162,
0.2982

307.1837, 0.2657,
0.3162

20.7056, 0.2037,
0.2928

61.4607, 0.2344,
0.3054

12.9090, 0.1875,
0.2854

82.1155, 0.2411,
0.3079

7.3659, 0.1662,
0.2745

106.9458, 0.2468,
0.3099

3.6920, 0.1371,
0.2576

136.3359, 0.2517,
0.3116

1.5028, 0.0938,
0.2293

170.6704, 0.2559,
0.3130

0.2907, 0.0000,
0.1347

210.3336, 0.2596,

0.0000, 0.0000,

0.3142

0.0000

255.7099, 0.2628,
0.3153

■ 31.1402, 0.2162,
0.2982

■ 31.1402, 0.2162,
0.2982

■ 31.1262, 0.2162,
0.2981

■ 31.9409, 0.2187,
0.3015

■ 32.8779, 0.2227,
0.3048

■ 33.9979, 0.2285,
0.3082

■ 35.3239, 0.2362,
0.3115

■ 36.8755, 0.2457,
0.3148

■ 38.6697, 0.2569,
0.3180

■ 40.7222, 0.2695,
0.3210

■ 43.0469, 0.2832,
0.3239

■ 45.6570, 0.2978,
0.3266

Harmonies

Analogous

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



31.1402, 0.2422, 0.3535



31.1402, 0.2162, 0.2982



31.1402, 0.2136, 0.2589

Triad

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



31.1402, 0.2162, 0.2982



31.1402, 0.3308, 0.2666



31.1402, 0.3923, 0.4210

Complementary

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



31.1402, 0.2162, 0.2982



10.7569, 0.6320, 0.3361

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.



31.1402, 0.4215, 0.3875



31.1402, 0.2162, 0.2982



31.1402, 0.3855, 0.3018

Square

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



31.1402, 0.2162, 0.2982



31.1402, 0.2754, 0.2451



31.1402, 0.4198, 0.3446



31.1402, 0.3429, 0.4308

Rectangle

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



31.1402, 0.2162, 0.2982



31.1402, 0.2248, 0.2449



31.1402, 0.4198, 0.3446



31.1402, 0.4049, 0.4117

Sweetspot

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



31.1413, 0.2162, 0.2982



72.6805, 0.2686, 0.3208



34.7299, 0.2985, 0.5943



15.3275, 0.2632, 0.3196



93.3107, 0.3127, 0.3290



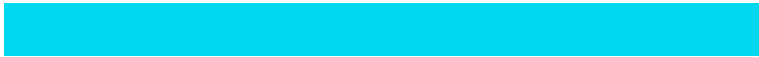
18.7317, 0.3127, 0.3290

Same Dimension

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



31.1413, 0.2162, 0.2982



55.5648, 0.2160, 0.2976



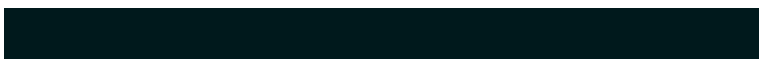
8.8523, 0.1699, 0.1316



10.0570, 0.2985, 0.3267



21.2576, 0.2163, 0.2986



0.7930, 0.2186, 0.3070

Inverse Universe

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



13.1100, 0.3470, 0.1686



23.4488, 0.3475, 0.1688



21.0501, 0.5162, 0.4282



9.1473, 0.3152, 0.3086



8.9283, 0.3467, 0.1684



0.3191, 0.3393, 0.1643

Previews

White Background



This preview shows how the Yxy color 31.1402, 0.2162, 0.2982 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 31.1402, 0.2162, 0.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

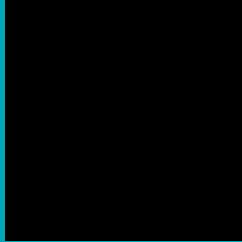
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1402, 0.2162, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 31.1402, 0.2162, 0.2982.



This preview shows how white text looks on a background with the Yxy color 31.1402, 0.2162, 0.2982.

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

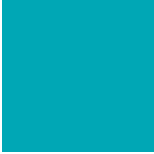
31.1402, 0.2162, 0.2982

Protanopia

30.6230, 0.2881, 0.2927

Deuteranopia

30.8737, 0.2740, 0.2690



Tritanopia

30.9736, 0.2180, 0.3047

Trichromacy



Original Color

31.1402, 0.2162, 0.2982



Protanomaly

29.2784, 0.2444, 0.2940



Deuteranomaly

29.3488, 0.2368, 0.2756



Tritanomaly

31.0148, 0.2175, 0.3030

Monochromacy



Original Color

31.1402, 0.2162, 0.2982



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.1280, 0.2497, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1402, 0.2162, 0.2982 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, 167, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 185)  
}
```

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, 167, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 185) }
```

Border

The CSS property to change the border of an element to Yxy 31.1402, 0.2162, 0.2982 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, 167, 185) }
```

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

```
.border{ border-color:rgb(0, 167, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1402, 0.2162, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 185) }
```

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

```
.background{ background-color: rgb(0, 167,  
185) }
```

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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