

Converting Colors

$Yxy(20.4920, 0.0933, 0.2827)$

Have a look what the booklet for
Yxy(20.4920, 0.0933, 0.2827)
contains.

Yxy(27.2883, 0.2148, 0.2931)	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(27.2883, 0.2148, 0.2931)

Conversions

Conversions Part 1

Format	Color
Hex	019DB1
RGB	1, 157, 177
RGB Percent	0%, 62%, 69%
CMY	0.9980, 0.3843, 0.3058
CMYK	1.00, 0.11, 0.00, 0.31
HSL	187°, 99%, 35%
HSV	187°, 100%, 69%
XYZ	19.9984, 27.2883, 45.8157
YIQ	112.6360, -99.3960, -26.8520

Conversions

Conversions Part 2

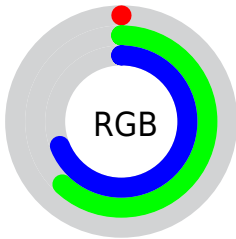
Format	Color
RYB	1, 84, 177
Decimal	105905
CIELab	59.24, -26.92, -20.15
CIELCh	59, 33.627, 216.805
Yxy	27.2883, 0.2148, 0.2931
Android (android.graphics.Color)	4278295985 (0xFF019DB1)
YUV	112.6360, 31.7315, -97.9048
Hunter-Lab	52.2382, -23.0816, -15.4337

Details

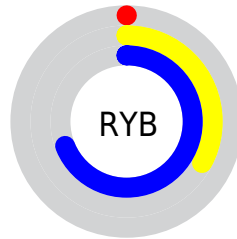
The Yxy color **27.2883, 0.2148, 0.2931** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.8694, 0.6297, 0.3378**, and the grayscale version is **16.2801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4031, 0.2337, 0.3013**, and **11.5584, 0.2115, 0.2813** is the 20% darker color. If you saturate the color by 10%, you get **27.2664, 0.2147, 0.2930**, and if you desaturate by 10%, it is **28.1017, 0.2176, 0.2970**.

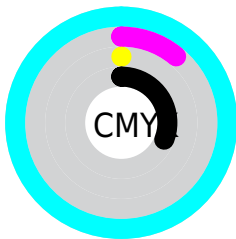
Distribution



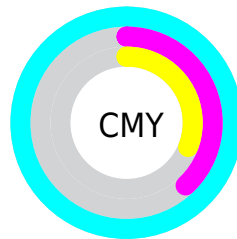
- Red (0%)
- Green (62%)
- Blue (69%)



- Red (0%)
- Yellow (33%)
- Blue (69%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2883, 0.2148, 0.2931 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 27.2883, 0.2148, 0.2931 by changing the saturation by 10% instead.

27.2883, 0.2148,
0.2931

27.2883, 0.2148,
0.2931

289.0503, 0.2660,
0.3141

17.7899, 0.2015,
0.2867

55.3462, 0.2338,
0.3015

10.7992, 0.1842,
0.2778

74.6744, 0.2409,
0.3045

5.9320, 0.1611,
0.2647

98.0479, 0.2468,
0.3069

2.8038, 0.1291,
0.2439

125.8513, 0.2518,
0.3088

1.0302, 0.0649,
0.2121

158.4688, 0.2561,
0.3105

0.0000, 0.0000,
0.0000

196.2849, 0.2598,

0.3119

239.6839, 0.2631,
0.3131

■ 27.2883, 0.2148,
0.2931

■ 27.2883, 0.2148,
0.2931

■ 27.2664, 0.2147,
0.2930

■ 28.1017, 0.2176,
0.2970

■ 29.0409, 0.2218,
0.3009

■ 30.1487, 0.2278,
0.3048

■ 31.4456, 0.2358,
0.3087

■ 32.9490, 0.2455,
0.3125

■ 34.6745, 0.2568,
0.3162

■ 36.6358, 0.2696,
0.3198

■ 38.8456, 0.2834,
0.3231

■ 41.3158, 0.2980,
0.3262

Harmonies

Analogous

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



27.2883, 0.2384, 0.3474



27.2883, 0.2148, 0.2931



27.2883, 0.2147, 0.2560

Triad

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



27.2883, 0.2148, 0.2931



27.2883, 0.3370, 0.2698



27.2883, 0.3878, 0.4234

Complementary

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



27.2883, 0.2148, 0.2931



9.8694, 0.6297, 0.3378

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.



27.2883, 0.4198, 0.3917



27.2883, 0.2148, 0.2931



27.2883, 0.3904, 0.3061

Square

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



27.2883, 0.2148, 0.2931



27.2883, 0.2808, 0.2465



27.2883, 0.4216, 0.3492



27.2883, 0.3371, 0.4299

Rectangle

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



27.2883, 0.2148, 0.2931



27.2883, 0.2275, 0.2435



27.2883, 0.4216, 0.3492



27.2883, 0.4012, 0.4149

Sweetspot

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



27.2893, 0.2148, 0.2931



65.3034, 0.2685, 0.3195



31.4979, 0.2980, 0.5925



13.8313, 0.2632, 0.3181



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



27.2893, 0.2148, 0.2931



48.6164, 0.2146, 0.2924



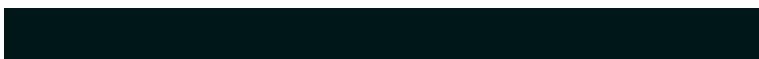
7.6991, 0.1688, 0.1274



9.4636, 0.2986, 0.3263



19.8077, 0.2148, 0.2934



0.6697, 0.2178, 0.3042

Inverse Universe

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



11.7940, 0.3515, 0.1711



21.0743, 0.3522, 0.1714



19.7436, 0.5109, 0.4323



8.6298, 0.3154, 0.3091



8.5397, 0.3513, 0.1709



0.2734, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 27.2883, 0.2148, 0.2931 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2883, 0.2148, 0.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

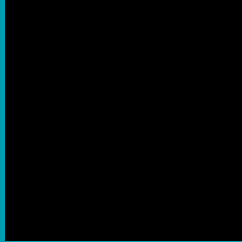
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

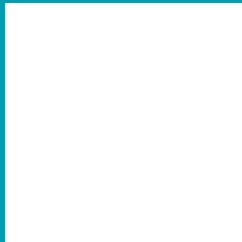
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2883, 0.2148, 0.2931

Background



This preview shows how black text looks on a background with the Yxy color 27.2883, 0.2148, 0.2931.

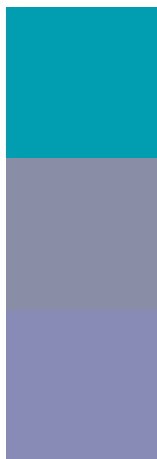


This preview shows how white text looks on a background with the Yxy color 27.2883, 0.2148, 0.2931.

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

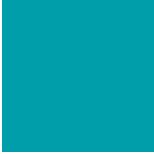
27.2947, 0.2149, 0.2931

Protanopia

27.1213, 0.2851, 0.2893

Deuteranopia

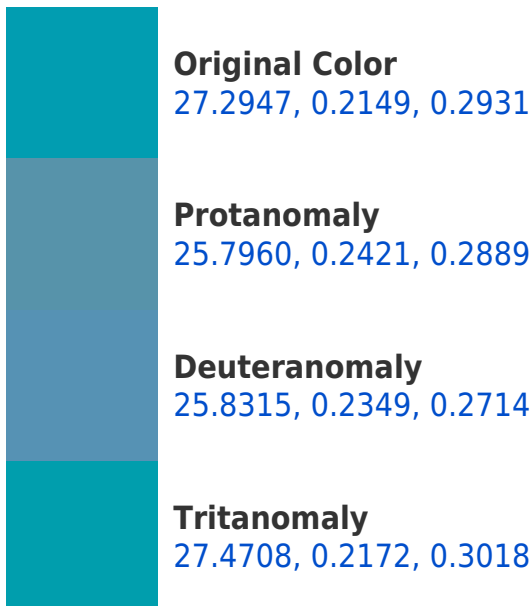
26.9523, 0.2703, 0.2643



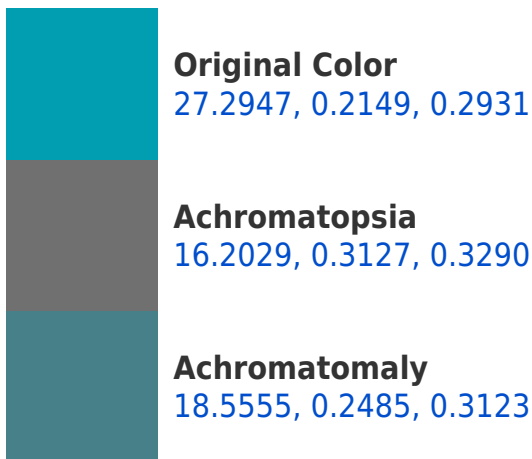
Tritanopia

27.3560, 0.2186, 0.3069

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2883, 0.2148, 0.2931 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, 157, 177)` looks like.

```
.text, #text, p{  
    color:rgb(1, 157, 177)  
}
```

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, 157, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 157, 177) }
```

Border

The CSS property to change the border of an element to Yxy 27.2883, 0.2148, 0.2931 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, 157, 177) }
```

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

```
.border{ border-color:rgb(1, 157, 177) }
```

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

Here you see how a box with a 4 pixel rgb(1, 157, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 157, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 157, 177);  
box-shadow:4px 4px 4px 4px rgb(1, 157,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2883, 0.2148, 0.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 157, 177) }
```

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

```
.background{ background-color: rgb(1, 157,  
177) }
```

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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