

Converting Colors

$Yxy(27.7187, 0.1914, 0.2785)$

Have a look what the booklet for
Yxy(27.7187, 0.1914, 0.2785)
contains.

Yxy(29.1639, 0.2115, 0.2812)	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(29.1639, 0.2115, 0.2812)

Conversions

Conversions Part 1

Format	Color
Hex	01A1BD
RGB	1, 161, 189
RGB Percent	0%, 63%, 74%
CMY	0.9975, 0.3687, 0.2588
CMYK	1.00, 0.15, 0.00, 0.26
HSL	189°, 99%, 37%
HSV	189°, 100%, 74%
XYZ	21.9352, 29.1639, 52.6133
YIQ	116.3520, -104.3480, -25.2120

Conversions

Conversions Part 2

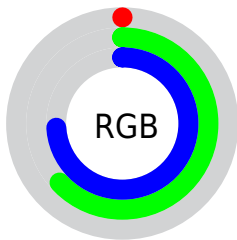
Format	Color
R _Y B	1, 87, 189
Decimal	106941
CIE _{Lab}	60.93, -24.88, -24.31
CIE _{LCh}	61, 34.789, 224.333
Y _{xy}	29.1639, 0.2115, 0.2812
Android (android.graphics.Color)	4278297021 (0xFF01A1BD)
Y _{UV}	116.3520, 35.8155, -101.1637
Hunter-Lab	54.0036, -22.0033, -19.9610

Details

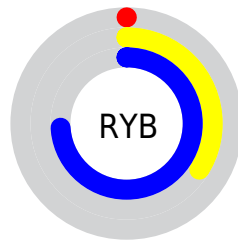
The Yxy color **29.1639, 0.2115, 0.2812** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **11.6806, 0.6255, 0.3411**, and the grayscale version is **17.4537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3010, 0.2308, 0.2921**, and **12.7149, 0.2072, 0.2657** is the 20% darker color. If you saturate the color by 10%, you get **29.1277, 0.2114, 0.2810**, and if you desaturate by 10%, it is **30.2978, 0.2146, 0.2864**.

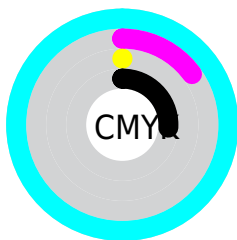
Distribution



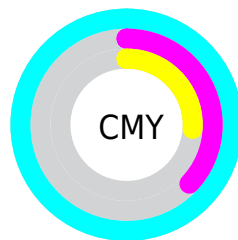
- Red (0%)
- Green (63%)
- Blue (74%)



- Red (0%)
- Yellow (34%)
- Blue (74%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (37%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1639, 0.2115, 0.2812 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 29.1639, 0.2115, 0.2812 by changing the saturation by 10% instead.

 29.1639, 0.2115,
0.2812


 29.1639, 0.2115,
0.2812


 297.9875, 0.2636,
0.3083


 19.2048, 0.1983,
0.2734


 58.3374, 0.2307,
0.2918


 11.8184, 0.1813,
0.2628


 78.3206, 0.2378,
0.2955


 6.6201, 0.1588,
0.2478


 102.4140, 0.2438,
0.2986

 3.2257, 0.1284,
0.2250

 131.0020, 0.2490,
0.3012

 1.2507, 0.0820,
0.1892

 164.4689, 0.2534,
0.3034

 0.1025, 0.0000,
0.0469

 203.1992, 0.2572,

 0.0000, 0.0000,

0.3052

0.0000

247.5773, 0.2606,
0.3069

■ 29.1639, 0.2115,
0.2812

■ 29.1639, 0.2115,
0.2812

■ 29.1277, 0.2114,
0.2810

■ 30.2978, 0.2146,
0.2864

■ 31.5895, 0.2192,
0.2916

■ 33.0865, 0.2257,
0.2969

■ 34.8130, 0.2341,
0.3021

■ 36.7896, 0.2443,
0.3072

■ 39.0347, 0.2561,
0.3122

■ 41.5645, 0.2691,
0.3169

■ 44.3941, 0.2832,
0.3213

■ 47.5372, 0.2980,
0.3254

Harmonies

Analogous

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



29.1639, 0.2294, 0.3329



29.1639, 0.2115, 0.2812



29.1639, 0.2174, 0.2493

Triad

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



29.1639, 0.2115, 0.2812



29.1639, 0.3518, 0.2773



29.1639, 0.3769, 0.4292

Complementary

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



29.1639, 0.2115, 0.2812



11.6806, 0.6255, 0.3411

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.



29.1639, 0.4154, 0.4019



29.1639, 0.2115, 0.2812



29.1639, 0.4020, 0.3164

Square

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



29.1639, 0.2115, 0.2812



29.1639, 0.2939, 0.2501



29.1639, 0.4257, 0.3605



29.1639, 0.3232, 0.4273

Rectangle

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



29.1639, 0.2115, 0.2812



29.1639, 0.2340, 0.2404



29.1639, 0.4257, 0.3605



29.1639, 0.3922, 0.4226

Sweetspot

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



29.1649, 0.2115, 0.2812



74.0573, 0.2680, 0.3165



36.4702, 0.2971, 0.5893



15.5051, 0.2624, 0.3145



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.



29.1649, 0.2115, 0.2812



51.8908, 0.2112, 0.2802



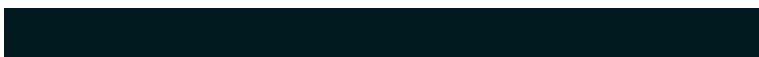
8.0210, 0.1660, 0.1171



10.5612, 0.2985, 0.3255



19.6875, 0.2116, 0.2817



0.8379, 0.2150, 0.2941

Inverse Universe

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



13.4048, 0.3623, 0.1771



23.9506, 0.3633, 0.1775



24.2355, 0.5020, 0.4393



9.6712, 0.3160, 0.3097



9.0172, 0.3619, 0.1767



0.3599, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 29.1639, 0.2115, 0.2812 looks on a white background.

Color Contrast Check

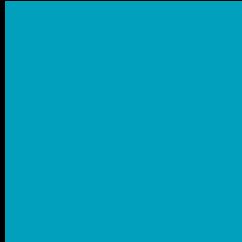
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1639, 0.2115, 0.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

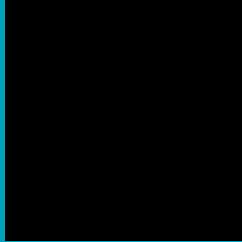
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1639, 0.2115, 0.2812

Background



This preview shows how black text looks on a background with the Yxy color 29.1639, 0.2115, 0.2812.

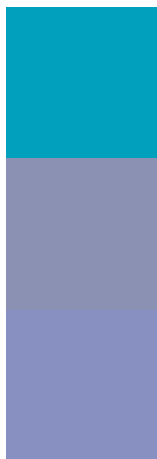


This preview shows how white text looks on a background with the Yxy color 29.1639, 0.2115, 0.2812.

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

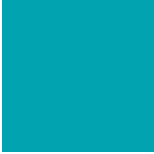
29.1703, 0.2115, 0.2812

Protanopia

28.9541, 0.2771, 0.2785

Deuteranopia

28.9477, 0.2618, 0.2561



Tritanopia

29.2895, 0.2188, 0.3075

Trichromacy



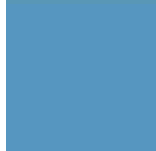
Original Color

29.1703, 0.2115, 0.2812



Protanomaly

27.6345, 0.2372, 0.2774



Deuteranomaly

27.5969, 0.2293, 0.2609



Tritanomaly

29.1359, 0.2159, 0.2974

Monochromacy



Original Color

29.1703, 0.2115, 0.2812



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.9415, 0.2468, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1639, 0.2115, 0.2812 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, 161, 189)` looks like.

```
.text, #text, p{  
    color:rgb(1, 161, 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(1, 161, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 161, 189) }
```

Border

The CSS property to change the border of an element to Yxy 29.1639, 0.2115, 0.2812 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, 161, 189) }
```

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

```
.border{ border-color:rgb(1, 161, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 161, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 161, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 161, 189);  
box-shadow:4px 4px 4px 4px rgb(1, 161,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1639, 0.2115, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 161, 189) }
```

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

```
.background{ background-color: rgb(1, 161,  
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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