

Converting Colors

$Yxy(29.8968, 0.2139, 0.2900)$

Have a look what the booklet for
Yxy(29.8968, 0.2139, 0.2900)
contains.

Yxy(29.7396, 0.2138, 0.2895)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.7396, 0.2138, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	01A3BA
RGB	1, 163, 186
RGB Percent	0%, 64%, 73%
CMY	0.9978, 0.3608, 0.2707
CMYK	1.00, 0.12, 0.00, 0.27
HSL	187°, 99%, 37%
HSV	187°, 100%, 73%
XYZ	21.9631, 29.7396, 51.0247
YIQ	117.1840, -103.9350, -27.1910

Conversions

Conversions Part 2

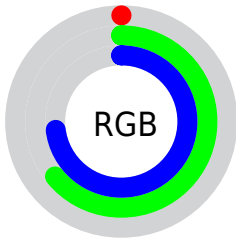
Format	Color
RYB	1, 87, 186
Decimal	107450
CIELab	61.43, -26.92, -21.85
CIELCh	61, 34.672, 219.062
Yxy	29.7396, 0.2138, 0.2895
Android (android.graphics.Color)	4278297530 (0xFF01A3BA)
YUV	117.1840, 33.9263, -101.8934
Hunter-Lab	54.5340, -23.5451, -17.3008

Details

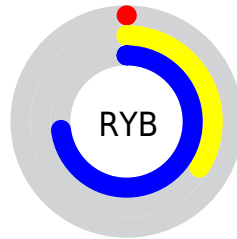
The Yxy color **29.7396, 0.2138, 0.2895** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.0724, 0.6288, 0.3385**, and the grayscale version is **17.7217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1503, 0.2327, 0.2983**, and **13.0623, 0.2103, 0.2769** is the 20% darker color. If you saturate the color by 10%, you get **29.7123, 0.2137, 0.2894**, and if you desaturate by 10%, it is **30.7032, 0.2166, 0.2938**.

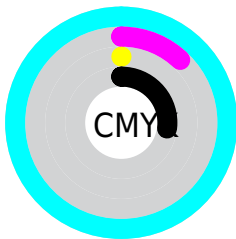
Distribution



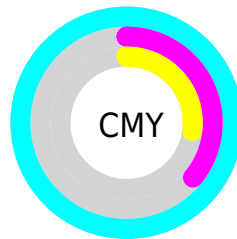
- Red (0%)
- Green (64%)
- Blue (73%)



- Red (0%)
- Yellow (34%)
- Blue (73%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (27%)




- Cyan (100%)
- Magenta (36%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7396, 0.2138, 0.2895 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 29.7396, 0.2138, 0.2895 by changing the saturation by 10% instead.

 29.7396, 0.2138,
0.2895


 29.7396, 0.2138,
0.2895


 300.6888, 0.2647,
0.3122


 19.6410, 0.2008,
0.2829


 59.2501, 0.2325,
0.2985

 12.1344, 0.1842,
0.2737


 79.4309, 0.2395,
0.3016

 6.8353, 0.1621,
0.2606


 103.7411, 0.2454,
0.3042

 3.3593, 0.1321,
0.2403

 132.5653, 0.2504,
0.3063

 1.3221, 0.0857,
0.2077

 166.2877, 0.2547,
0.3081

 0.1582, 0.0000,
0.0768

 205.2928, 0.2585,

 0.0000, 0.0000,

0.3097

0.0000

249.9651, 0.2618,
0.3110

■ 29.7396, 0.2138,
0.2895

■ 29.7396, 0.2138,
0.2895

■ 29.7123, 0.2137,
0.2894

■ 30.7032, 0.2166,
0.2938

■ 31.8118, 0.2209,
0.2981

■ 33.1116, 0.2271,
0.3024

■ 34.6259, 0.2352,
0.3067

■ 36.3745, 0.2450,
0.3109

■ 38.3750, 0.2565,
0.3150

■ 40.6428, 0.2693,
0.3189

■ 43.1925, 0.2833,
0.3226

■ 46.0373, 0.2980,
0.3260

Harmonies

Analogous

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



29.7396, 0.2357, 0.3431



29.7396, 0.2138, 0.2895



29.7396, 0.2155, 0.2540

Triad

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



29.7396, 0.2138, 0.2895



29.7396, 0.3414, 0.2720



29.7396, 0.3846, 0.4251

Complementary

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



29.7396, 0.2138, 0.2895



11.0724, 0.6288, 0.3385

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.



29.7396, 0.4185, 0.3947



29.7396, 0.2138, 0.2895



29.7396, 0.3939, 0.3092

Square

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



29.7396, 0.2138, 0.2895



29.7396, 0.2846, 0.2476



29.7396, 0.4229, 0.3526



29.7396, 0.3330, 0.4292

Rectangle

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



29.7396, 0.2138, 0.2895



29.7396, 0.2294, 0.2426



29.7396, 0.4229, 0.3526



29.7396, 0.3985, 0.4172

Sweetspot

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



29.7407, 0.2138, 0.2895



73.3393, 0.2683, 0.3186



35.1712, 0.2976, 0.5911



15.7571, 0.2627, 0.3170



95.5105, 0.3127, 0.3290



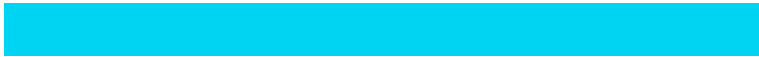
19.5994, 0.3127, 0.3290

Same Dimension

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



29.7407, 0.2138, 0.2895



53.6237, 0.2135, 0.2887



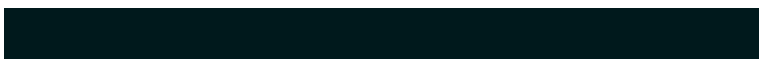
8.1361, 0.1673, 0.1219



10.0155, 0.2985, 0.3261



20.0692, 0.2139, 0.2899



0.7612, 0.2169, 0.3009

Inverse Universe

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



13.0928, 0.3548, 0.1729



23.6862, 0.3555, 0.1732



22.6770, 0.5066, 0.4357



9.1431, 0.3156, 0.3092



8.8083, 0.3544, 0.1726



0.3159, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 29.7396, 0.2138, 0.2895 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 29.7396, 0.2138, 0.2895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

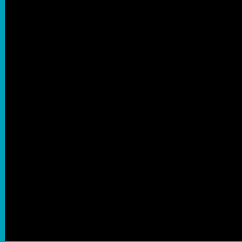
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7396, 0.2138, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 29.7396, 0.2138, 0.2895.



This preview shows how white text looks on a background with the Yxy color 29.7396, 0.2138, 0.2895.

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

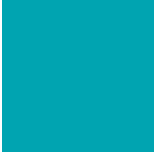
29.7460, 0.2138, 0.2895

Protanopia

29.3645, 0.2833, 0.2862

Deuteranopia

29.4575, 0.2676, 0.2622



Tritanopia

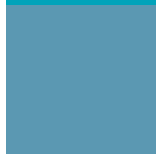
29.7252, 0.2183, 0.3060

Trichromacy



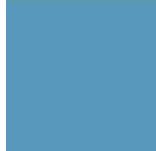
Original Color

29.7460, 0.2138, 0.2895



Protanomaly

27.8950, 0.2413, 0.2854



Deuteranomaly

28.2544, 0.2334, 0.2689



Tritanomaly

29.8462, 0.2169, 0.3010

Monochromacy



Original Color

29.7460, 0.2138, 0.2895



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.4990, 0.2490, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7396, 0.2138, 0.2895 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, 163, 186)` looks like.

```
.text, #text, p{  
    color:rgb(1, 163, 186)  
}
```

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, 163, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 163, 186) }
```

Border

The CSS property to change the border of an element to Yxy 29.7396, 0.2138, 0.2895 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, 163, 186) }
```

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

```
.border{ border-color:rgb(1, 163, 186) }
```

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

Here you see how a box with a 4 pixel rgb(1, 163, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 163, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 163, 186);  
box-shadow:4px 4px 4px 4px rgb(1, 163,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7396, 0.2138, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 163, 186) }
```

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

```
.background{ background-color: rgb(1, 163,  
186) }
```

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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