

Converting Colors

$Yxy(17.6848, 0.0901, 0.2818)$

Have a look what the booklet for
Yxy(17.6848, 0.0901, 0.2818)
contains.

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Color

Yxy(23.6206, 0.2147, 0.2928)

Conversions

Conversions Part 1

Format	Color
Hex	0093A6
RGB	0, 147, 166
RGB Percent	0%, 58%, 65%
CMY	0.9989, 0.4235, 0.3490
CMYK	1.00, 0.11, 0.00, 0.35
HSL	187°, 100%, 33%
HSV	187°, 100%, 65%
XYZ	17.3202, 23.6206, 39.7307
YIQ	105.2130, -93.7110, -25.2550

Conversions

Conversions Part 2

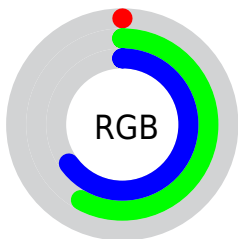
Format	Color
RYB	0, 78, 166
Decimal	37798
CIELab	55.71, -25.61, -19.29
CIELCh	56, 32.057, 216.986
Yxy	23.6206, 0.2147, 0.2928
Android (android.graphics.Color)	4278227878 (0xFF0093A6)
YUV	105.2130, 29.9680, -92.2718
Hunter-Lab	48.6010, -21.4390, -14.4481

Details

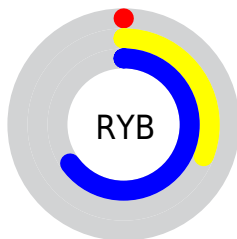
The Yxy color **23.6206, 0.2147, 0.2928** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.5854, 0.6292, 0.3383**, and the grayscale version is **14.1468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2691, 0.2345, 0.3013**, and **9.5806, 0.2112, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **23.6098, 0.2147, 0.2927**, and if you desaturate by 10%, it is **24.3352, 0.2176, 0.2967**.

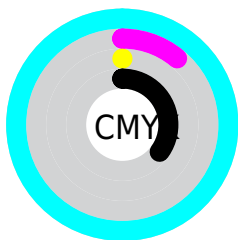
Distribution



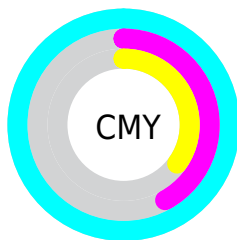
- Red (0%)
- Green (58%)
- Blue (65%)



- Red (0%)
- Yellow (31%)
- Blue (65%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (35%)




- Cyan (100%)
- Magenta (42%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6206, 0.2147, 0.2928 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 23.6206, 0.2147, 0.2928 by changing the saturation by 10% instead.


 23.6206, 0.2147,
0.2928


 23.6206, 0.2147,
0.2928

 270.8967, 0.2671,
0.3144


 15.0524, 0.2006,
0.2860


 49.4104, 0.2345,
0.3016

 8.8562, 0.1821,
0.2764

 67.4007, 0.2417,
0.3046


 4.6475, 0.1569,
0.2618

 89.3006, 0.2477,
0.3071

 2.0420, 0.1213,
0.2378

 115.4944, 0.2528,
0.3091

 0.6317, 0.0000,
0.2028

 146.3666, 0.2572,
0.3107

 0.0000, 0.0000,
0.0000

 182.3014, 0.2609,

0.3122

223.6833, 0.2642,
0.3134

■ 23.6206, 0.2147,
0.2928

■ 23.6206, 0.2147,
0.2928

■ 23.6098, 0.2147,
0.2927

■ 24.3352, 0.2176,
0.2967

■ 25.1559, 0.2218,
0.3006

■ 26.1220, 0.2279,
0.3046

■ 27.2512, 0.2359,
0.3085

■ 28.5584, 0.2456,
0.3124

■ 30.0565, 0.2569,
0.3161

■ 31.7576, 0.2696,
0.3197

■ 33.6725, 0.2833,
0.3230

■ 35.8111, 0.2979,
0.3262

Harmonies

Analogous

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



23.6206, 0.2381, 0.3471



23.6206, 0.2147, 0.2928



23.6206, 0.2148, 0.2558

Triad

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



23.6206, 0.2147, 0.2928



23.6206, 0.3373, 0.2700



23.6206, 0.3875, 0.4236

Complementary

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



23.6206, 0.2147, 0.2928



8.5854, 0.6292, 0.3383

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.



23.6206, 0.4197, 0.3920



23.6206, 0.2147, 0.2928



23.6206, 0.3907, 0.3063

Square

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



23.6206, 0.2147, 0.2928



23.6206, 0.2811, 0.2466



23.6206, 0.4218, 0.3495



23.6206, 0.3368, 0.4299

Rectangle

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



23.6206, 0.2147, 0.2928



23.6206, 0.2276, 0.2435



23.6206, 0.4218, 0.3495



23.6206, 0.4010, 0.4151

Sweetspot

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



23.6214, 0.2147, 0.2928



57.3875, 0.2686, 0.3194



27.3206, 0.2979, 0.5922



12.5543, 0.2634, 0.3180



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.6214, 0.2147, 0.2928



42.6403, 0.2145, 0.2920



6.7193, 0.1689, 0.1280



8.3828, 0.2987, 0.3263



18.3474, 0.2148, 0.2931



0.4865, 0.2183, 0.3060

Inverse Universe

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



10.2213, 0.3518, 0.1712



18.5136, 0.3525, 0.1716



17.1704, 0.5105, 0.4327



7.6516, 0.3154, 0.3092



7.9232, 0.3516, 0.1710



0.1968, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 23.6206, 0.2147, 0.2928 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 23.6206, 0.2147, 0.2928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

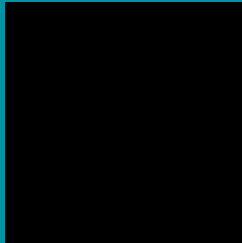
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6206, 0.2147, 0.2928

Background



This preview shows how black text looks on a background with the Yxy color 23.6206, 0.2147, 0.2928.

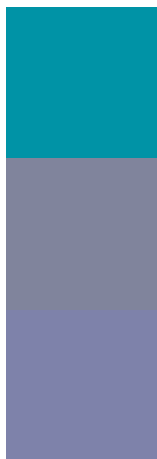


This preview shows how white text looks on a background with the Yxy color 23.6206, 0.2147, 0.2928.

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

23.6206, 0.2147, 0.2928

Protanopia

23.4920, 0.2844, 0.2886

Deuteranopia

23.3032, 0.2697, 0.2636



Tritanopia

23.7179, 0.2182, 0.3057

Trichromacy



Original Color

23.6206, 0.2147, 0.2928



Protanomaly

22.2232, 0.2420, 0.2866



Deuteranomaly

22.1784, 0.2343, 0.2696



Tritanomaly

23.7884, 0.2172, 0.3020

Monochromacy



Original Color

23.6206, 0.2147, 0.2928



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.1585, 0.2496, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6206, 0.2147, 0.2928 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, 147, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 166)  
}
```

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, 147, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 166) }
```

Border

The CSS property to change the border of an element to Yxy 23.6206, 0.2147, 0.2928 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, 147, 166) }
```

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

```
.border{ border-color:rgb(0, 147, 166) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6206, 0.2147, 0.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 166) }
```

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

```
.background{ background-color: rgb(0, 147,  
166) }
```

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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