

Converting Colors

$Yxy(23.3805, 0.2114, 0.2809)$

Have a look what the booklet for
Yxy(23.3805, 0.2114, 0.2809)
contains.

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Color

Yxy(23.4980, 0.2117, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	0092AB
RGB	0, 146, 171
RGB Percent	0%, 57%, 67%
CMY	1.0000, 0.4274, 0.3294
CMYK	1.00, 0.15, 0.00, 0.33
HSL	189°, 100%, 34%
HSV	189°, 100%, 67%
XYZ	17.6277, 23.4980, 42.1415
YIQ	105.1960, -95.0410, -23.1770

Conversions

Conversions Part 2

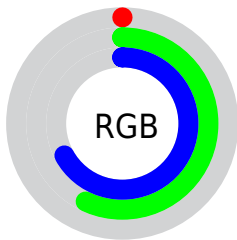
Format	Color
RYB	0, 79, 171
Decimal	37547
CIELab	55.58, -23.40, -22.34
CIElCh	56, 32.351, 223.662
Yxy	23.4980, 0.2117, 0.2822
Android (android.graphics.Color)	4278227627 (0xFF0092AB)
YUV	105.1960, 32.4414, -92.2569
Hunter-Lab	48.4747, -19.9199, -17.6115

Details

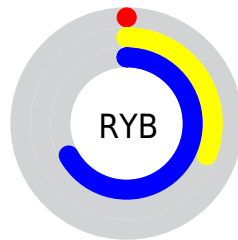
The Yxy color **23.4980, 0.2117, 0.2822** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.3552, 0.6257, 0.3414**, and the grayscale version is **14.1137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0749, 0.2320, 0.2934**, and **9.5163, 0.2071, 0.2655** is the 20% darker color. If you saturate the color by 10%, you get **23.5007, 0.2117, 0.2822**, and if you desaturate by 10%, it is **24.4003, 0.2149, 0.2873**.

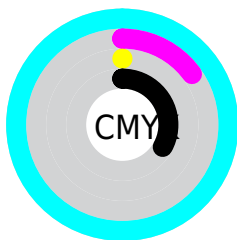
Distribution



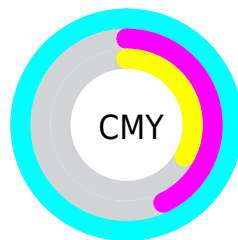
- Red (0%)
- Green (57%)
- Blue (67%)



- Red (0%)
- Yellow (31%)
- Blue (67%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)




- Cyan (100%)
- Magenta (43%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4980, 0.2117, 0.2822 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 23.4980, 0.2117, 0.2822 by changing the saturation by 10% instead.


 23.4980, 0.2117,
0.2822


 23.4980, 0.2117,
0.2822


 270.2726, 0.2656,
0.3096


 14.9617, 0.1974,
0.2739


 49.2098, 0.2320,
0.2932


 8.7925, 0.1785,
0.2622


 67.1540, 0.2394,
0.2970


 4.6061, 0.1531,
0.2450

 89.0029, 0.2456,
0.3001

 2.0180, 0.1175,
0.2177

 115.1410, 0.2508,
0.3027

 0.6179, 0.0046,
0.1762

 145.9526, 0.2553,
0.3048

 0.0000, 0.0000,
0.0000

 181.8222, 0.2592,

0.3066

223.1340, 0.2626,
0.3082

■ 23.4980, 0.2117,
0.2822

■ 23.4980, 0.2117,
0.2822

■ 23.5007, 0.2117,
0.2822

■ 24.4003, 0.2149,
0.2873

■ 25.4203, 0.2195,
0.2924

■ 26.6021, 0.2260,
0.2975

■ 27.9647, 0.2343,
0.3026

■ 29.5243, 0.2444,
0.3076

■ 31.2951, 0.2560,
0.3124

■ 33.2900, 0.2690,
0.3170

■ 35.5206, 0.2829,
0.3213

■ 37.9978, 0.2976,
0.3253

Harmonies

Analogous

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



23.4980, 0.2301, 0.3342



23.4980, 0.2117, 0.2822



23.4980, 0.2170, 0.2498

Triad

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



23.4980, 0.2117, 0.2822



23.4980, 0.3505, 0.2766



23.4980, 0.3780, 0.4288

Complementary

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



23.4980, 0.2117, 0.2822



9.3552, 0.6257, 0.3414

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.



23.4980, 0.4159, 0.4010



23.4980, 0.2117, 0.2822



23.4980, 0.4011, 0.3154

Square

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



23.4980, 0.2117, 0.2822



23.4980, 0.2927, 0.2497



23.4980, 0.4255, 0.3595



23.4980, 0.3245, 0.4277

Rectangle

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



23.4980, 0.2117, 0.2822



23.4980, 0.2333, 0.2406



23.4980, 0.4255, 0.3595



23.4980, 0.3931, 0.4220

Sweetspot

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



23.5007, 0.2117, 0.2822



59.4094, 0.2683, 0.3168



29.1925, 0.2969, 0.5889



12.9133, 0.2629, 0.3149



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.5007, 0.2117, 0.2822



41.8369, 0.2115, 0.2813



6.4633, 0.1661, 0.1178



8.8695, 0.2986, 0.3256



17.7723, 0.2119, 0.2827



0.5478, 0.2161, 0.2981

Inverse Universe

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



10.7351, 0.3614, 0.1765



19.1978, 0.3622, 0.1769



19.4501, 0.5018, 0.4398



8.1276, 0.3159, 0.3099



8.0972, 0.3610, 0.1762



0.2306, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 23.4980, 0.2117, 0.2822 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 23.4980, 0.2117, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

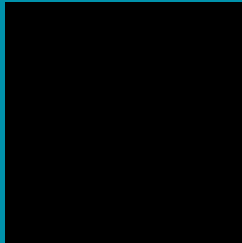
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4980, 0.2117, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 23.4980, 0.2117, 0.2822.

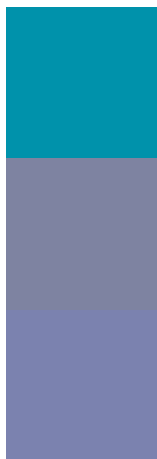


This preview shows how white text looks on a background with the Yxy color 23.4980, 0.2117, 0.2822.

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

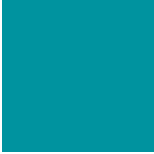
23.4980, 0.2117, 0.2822

Protanopia

23.2414, 0.2777, 0.2787

Deuteranopia

23.2714, 0.2627, 0.2559



Tritanopia

23.3706, 0.2182, 0.3055

Trichromacy



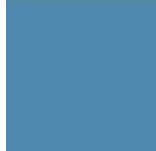
Original Color

23.4980, 0.2117, 0.2822



Protanomaly

22.0304, 0.2369, 0.2761



Deuteranomaly

22.2840, 0.2299, 0.2616



Tritanomaly

23.5118, 0.2162, 0.2982

Monochromacy



Original Color

23.4980, 0.2117, 0.2822



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.2112, 0.2479, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4980, 0.2117, 0.2822 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, 146, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 171)  
}
```

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, 146, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 171) }
```

Border

The CSS property to change the border of an element to Yxy 23.4980, 0.2117, 0.2822 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, 146, 171) }
```

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

```
.border{ border-color:rgb(0, 146, 171) }
```

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

Here you see how a box with a 4 pixel rgb(0, 146, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4980, 0.2117, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 171) }
```

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

```
.background{ background-color: rgb(0, 146,  
171) }
```

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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