

Converting Colors

$Yxy(19.9304, 0.1465, 0.3083)$

Have a look what the booklet for
Yxy(19.9304, 0.1465, 0.3083)
contains.

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Color

Yxy(23.6141, 0.2198, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	00949D
RGB	0, 148, 157
RGB Percent	0%, 58%, 62%
CMY	1.0000, 0.4196, 0.3844
CMYK	1.00, 0.06, 0.00, 0.38
HSL	183°, 100%, 31%
HSV	183°, 100%, 62%
XYZ	16.6732, 23.6141, 35.5691
YIQ	104.7740, -91.0970, -28.5770

Conversions

Conversions Part 2

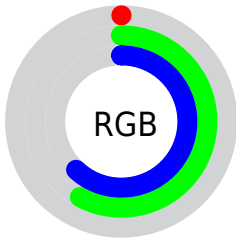
Format	Color
RYB	0, 76, 157
Decimal	38045
CIELab	55.70, -29.15, -14.12
CIELCh	56, 32.393, 205.848
Yxy	23.6141, 0.2198, 0.3113
Android (android.graphics.Color)	4278228125 (0xFF00949D)
YUV	104.7740, 25.7474, -91.8868
Hunter-Lab	48.5943, -23.7948, -9.3818

Details

The Yxy color **23.6141, 0.2198, 0.3113** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.3611, 0.6351, 0.3339**, and the grayscale version is **14.0104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6390, 0.2386, 0.3162**, and **9.5900, 0.2177, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **23.6156, 0.2198, 0.3113**, and if you desaturate by 10%, it is **24.0058, 0.2221, 0.3132**.

Distribution



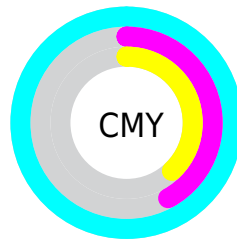
- Red (0%)
- Green (58%)
- Blue (62%)



- Red (0%)
- Yellow (30%)
- Blue (62%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6141, 0.2198, 0.3113 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 23.6141, 0.2198, 0.3113 by changing the saturation by 10% instead.

■ 23.6141, 0.2198,
0.3113

■ 23.6141, 0.2198,
0.3113

■ 270.8636, 0.2698,
0.3227

■ 15.0476, 0.2062,
0.3074

■ 49.3997, 0.2388,
0.3162

■ 8.8528, 0.1882,
0.3015

■ 67.3877, 0.2457,
0.3178

■ 4.6453, 0.1633,
0.2921

■ 89.2849, 0.2514,
0.3190

■ 2.0407, 0.1274,
0.2753

■ 115.4757, 0.2563,
0.3201

■ 0.6310, 0.0000,
0.2530

■ 146.3446, 0.2604,
0.3209

■ 0.0000, 0.0000,
0.0000

■ 182.2760, 0.2639,

0.3216

223.6542, 0.2671,
0.3222

■ 23.6141, 0.2198,
0.3113

■ 23.6141, 0.2198,
0.3113

■ 23.6156, 0.2198,
0.3113

■ 24.0058, 0.2221,
0.3132

■ 24.4807, 0.2257,
0.3150

■ 25.0769, 0.2310,
0.3169

■ 25.8095, 0.2382,
0.3188

■ 26.6915, 0.2472,
0.3207

■ 27.7344, 0.2579,
0.3226

■ 28.9484, 0.2700,
0.3243

■ 30.3429, 0.2834,
0.3260

■ 31.9267, 0.2977,
0.3276

Harmonies

Analogous

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



23.6141, 0.2518, 0.3689



23.6141, 0.2198, 0.3113



23.6141, 0.2111, 0.2664

Triad

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



23.6141, 0.2198, 0.3113



23.6141, 0.3158, 0.2588



23.6141, 0.4033, 0.4148

Complementary

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



23.6141, 0.2198, 0.3113



7.3611, 0.6351, 0.3339

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.



23.6141, 0.4256, 0.3772



23.6141, 0.2198, 0.3113



23.6141, 0.3731, 0.2913

Square

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



23.6141, 0.2198, 0.3113



23.6141, 0.2624, 0.2414



23.6141, 0.4149, 0.3331



23.6141, 0.3573, 0.4325

Rectangle

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



23.6141, 0.2198, 0.3113



23.6141, 0.2184, 0.2483



23.6141, 0.4149, 0.3331



23.6141, 0.4139, 0.4037

Sweetspot

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



23.6156, 0.2198, 0.3113



51.7224, 0.2693, 0.3242



24.1251, 0.2989, 0.5962



11.1880, 0.2644, 0.3235



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.6156, 0.2198, 0.3113



42.2067, 0.2197, 0.3110



6.8948, 0.1733, 0.1437



7.4445, 0.2988, 0.3277



19.2035, 0.2199, 0.3114



0.3610, 0.2219, 0.3189

Inverse Universe

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



9.3046, 0.3356, 0.1622



16.6581, 0.3359, 0.1624



13.8763, 0.5245, 0.4218



6.7480, 0.3146, 0.3082



7.5608, 0.3355, 0.1622



0.1370, 0.3291, 0.1587

Previews

White Background



This preview shows how the Yxy color 23.6141, 0.2198, 0.3113 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 23.6141, 0.2198, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

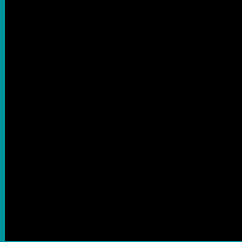
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6141, 0.2198, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 23.6141, 0.2198, 0.3113.

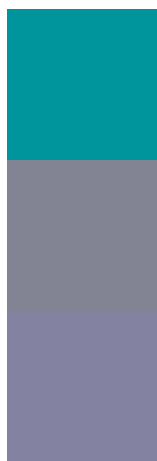


This preview shows how white text looks on a background with the Yxy color 23.6141, 0.2198, 0.3113.

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

23.6141, 0.2198, 0.3113

Protanopia

23.4344, 0.2962, 0.3034

Deuteranopia

23.4440, 0.2837, 0.2779



Tritanopia

23.8194, 0.2199, 0.3058

Trichromacy



Original Color

23.6141, 0.2198, 0.3113



Protanomaly

22.2503, 0.2495, 0.3044



Deuteranomaly

22.3142, 0.2434, 0.2867



Tritanomaly

23.7475, 0.2198, 0.3076

Monochromacy



Original Color

23.6141, 0.2198, 0.3113



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.3233, 0.2525, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6141, 0.2198, 0.3113 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, 148, 157)` looks like.

```
.text, #text, p{  
  color:rgb(0, 148, 157)  
}
```

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, 148, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 157) }
```

Border

The CSS property to change the border of an element to Yxy 23.6141, 0.2198, 0.3113 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, 148, 157) }
```

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

```
.border{ border-color:rgb(0, 148, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6141, 0.2198, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 157) }
```

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

```
.background{ background-color: rgb(0, 148,  
157) }
```

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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