

Converting Colors

$Yxy(23.2150, 0.2158, 0.2962)$

Have a look what the booklet for
Yxy(23.2150, 0.2158, 0.2962)
contains.

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Color

$Y_{xy}(23.2150, 0.2158, 0.2962)$

Conversions

Conversions Part 1

Format	Color
Hex	0292A3
RGB	2, 146, 163
RGB Percent	1%, 57%, 64%
CMY	0.9931, 0.4274, 0.3607
CMYK	0.99, 0.10, 0.00, 0.36
HSL	186°, 98%, 32%
HSV	186°, 99%, 64%
XYZ	16.9136, 23.2150, 38.2475
YIQ	104.8820, -91.2810, -25.2410

Conversions

Conversions Part 2

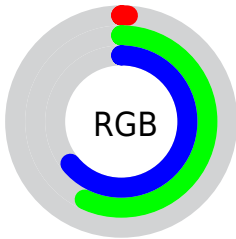
Format	Color
RYB	2, 78, 163
Decimal	168611
CIELab	55.29, -26.06, -18.20
CIELCh	55, 31.787, 214.923
Yxy	23.2150, 0.2158, 0.2962
Android (android.graphics.Color)	4278358691 (0xFF0292A3)
YUV	104.8820, 28.6522, -90.2275
Hunter-Lab	48.1819, -21.6586, -13.3379

Details

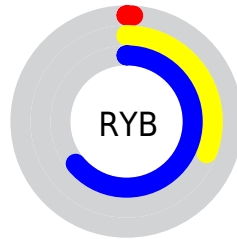
The Yxy color **23.2150, 0.2158, 0.2962** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.2507, 0.6281, 0.3377**, and the grayscale version is **14.0145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5947, 0.2352, 0.3038**, and **9.3321, 0.2125, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **23.1468, 0.2155, 0.2958**, and if you desaturate by 10%, it is **23.8680, 0.2186, 0.2998**.

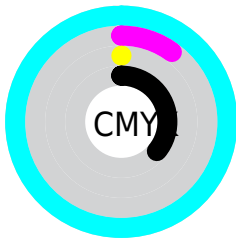
Distribution



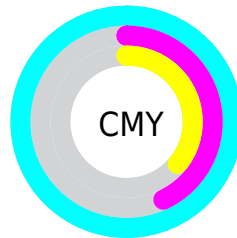
- Red (1%)
- Green (57%)
- Blue (64%)



- Red (1%)
- Yellow (31%)
- Blue (64%)



- Cyan (99%)
- Magenta (10%)
- Yellow (0%)
- Black (36%)





- Cyan (99%)
- Magenta (43%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2150, 0.2158, 0.2962 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 23.2150, 0.2158, 0.2962 by changing the saturation by 10% instead.


 23.2150, 0.2158,
0.2962


 23.2150, 0.2158,
0.2962


 268.8274, 0.2678,
0.3160


 14.7523, 0.2018,
0.2899


 48.7461, 0.2355,
0.3044


 8.6458, 0.1832,
0.2808


 66.5834, 0.2427,
0.3071


 4.5109, 0.1578,
0.2669


 88.3143, 0.2486,
0.3093

 1.9632, 0.1216,
0.2437

 114.3232, 0.2537,
0.3112

 0.5860, 0.0000,
0.2064

 144.9946, 0.2580,
0.3127

 0.0000, 0.0000,
0.0000

 180.7128, 0.2617,

0.3140

221.8623, 0.2650,
0.3151

■ 23.2150, 0.2158,
0.2962

■ 23.2150, 0.2158,
0.2962

■ 23.1468, 0.2155,
0.2958

■ 23.8680, 0.2186,
0.2998

■ 24.6275, 0.2230,
0.3033

■ 25.5268, 0.2291,
0.3069

■ 26.5823, 0.2371,
0.3105

■ 27.8081, 0.2469,
0.3141

■ 29.2166, 0.2582,
0.3175

■ 30.8189, 0.2709,
0.3207

■ 32.6255, 0.2847,
0.3238

■ 34.6457, 0.2993,
0.3267

Harmonies

Analogous

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



23.2150, 0.2408, 0.3510



23.2150, 0.2158, 0.2962



23.2150, 0.2142, 0.2579

Triad

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



23.2150, 0.2158, 0.2962



23.2150, 0.3333, 0.2680



23.2150, 0.3903, 0.4218

Complementary

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



23.2150, 0.2158, 0.2962



8.2507, 0.6281, 0.3377

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.



23.2150, 0.4206, 0.3891



23.2150, 0.2158, 0.2962



23.2150, 0.3873, 0.3036

Square

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



23.2150, 0.2158, 0.2962



23.2150, 0.2776, 0.2458



23.2150, 0.4203, 0.3464



23.2150, 0.3405, 0.4303

Rectangle

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



23.2150, 0.2158, 0.2962



23.2150, 0.2261, 0.2445



23.2150, 0.4203, 0.3464



23.2150, 0.4032, 0.4128

Sweetspot

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



23.2158, 0.2158, 0.2962



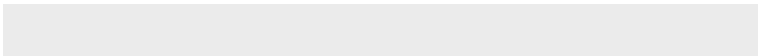
54.6854, 0.2688, 0.3202



26.2553, 0.2978, 0.5910



12.0191, 0.2636, 0.3189



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.2158, 0.2158, 0.2962



41.2690, 0.2153, 0.2952



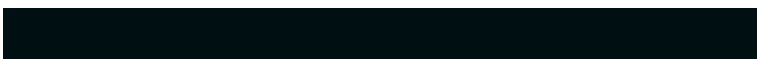
6.5844, 0.1697, 0.1300



7.8830, 0.2988, 0.3266



18.0244, 0.2156, 0.2961



0.4128, 0.2192, 0.3091

Inverse Universe

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



9.9023, 0.3487, 0.1700



17.6331, 0.3497, 0.1700



16.6251, 0.5088, 0.4331



7.1892, 0.3153, 0.3091



7.6637, 0.3488, 0.1695



0.1645, 0.3375, 0.1633

Previews

White Background



This preview shows how the Yxy color 23.2150, 0.2158, 0.2962 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 23.2150, 0.2158, 0.2962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

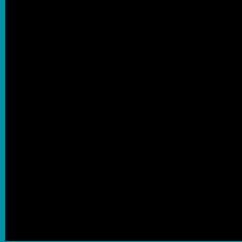
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2150, 0.2158, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 23.2150, 0.2158, 0.2962.

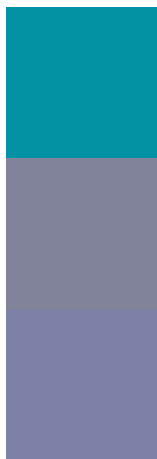


This preview shows how white text looks on a background with the Yxy color 23.2150, 0.2158, 0.2962.

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

23.2150, 0.2158, 0.2962

Protanopia

23.1217, 0.2872, 0.2916

Deuteranopia

22.9262, 0.2721, 0.2663



Tritanopia

23.3361, 0.2187, 0.3074

Trichromacy



Original Color

23.2150, 0.2158, 0.2962



Protanomaly

21.8365, 0.2438, 0.2898



Deuteranomaly

21.8305, 0.2366, 0.2727



Tritanomaly

23.4120, 0.2178, 0.3037

Monochromacy



Original Color

23.2150, 0.2158, 0.2962



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.1326, 0.2504, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2150, 0.2158, 0.2962 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(2, 146, 163)` looks like.

```
.text, #text, p{  
    color:rgb(2, 146, 163)  
}
```

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(2, 146, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 146, 163) }
```

Border

The CSS property to change the border of an element to Yxy 23.2150, 0.2158, 0.2962 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(2, 146, 163) }
```

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

```
.border{ border-color:rgb(2, 146, 163) }
```

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

Here you see how a box with a 4 pixel rgb(2, 146, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 146, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 146, 163);  
box-shadow:4px 4px 4px 4px rgb(2, 146,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2150, 0.2158, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 146, 163) }
```

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

```
.background{ background-color: rgb(2, 146,  
163) }
```

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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