

Converting Colors

$Yxy(24.0181, 0.2154, 0.2867)$

Have a look what the booklet for
Yxy(24.0181, 0.2154, 0.2867)
contains.

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Color

Yxy(23.9291, 0.2152, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	1593AA
RGB	21, 147, 170
RGB Percent	8%, 58%, 67%
CMY	0.9179, 0.4235, 0.3332
CMYK	0.88, 0.14, 0.00, 0.33
HSL	189°, 78%, 37%
HSV	189°, 88%, 67%
XYZ	17.9991, 23.9291, 41.7107
YIQ	111.9480, -82.4790, -19.5590

Conversions

Conversions Part 2

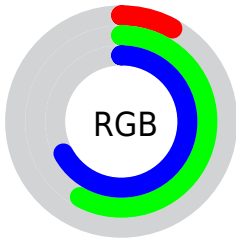
Format	Color
R _Y B	21, 89, 170
Decimal	1414058
CIE Lab	56.02, -23.29, -21.09
CIE LCh	56, 31.418, 222.157
Yxy	23.9291, 0.2152, 0.2861
Android (android.graphics.Color)	4279604138 (0xFF1593AA)
YUV	111.9480, 28.6196, -79.7614
Hunter-Lab	48.9174, -19.9265, -16.3131

Details

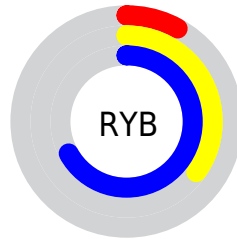
The Yxy color **23.9291, 0.2152, 0.2861** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.4012, 0.5911, 0.3490**, and the grayscale version is **16.1158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8062, 0.2351, 0.2963**, and **9.6737, 0.2085, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **22.9893, 0.2117, 0.2807**, and if you desaturate by 10%, it is **25.0081, 0.2204, 0.2915**.

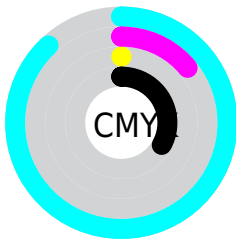
Distribution



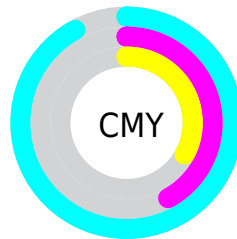
- Red (8%)
- Green (58%)
- Blue (67%)



- Red (8%)
- Yellow (35%)
- Blue (67%)



- Cyan (88%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)





- Cyan (92%)
- Magenta (42%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9291, 0.2152, 0.2861 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 23.9291, 0.2152, 0.2861 by changing the saturation by 10% instead.


 23.9291, 0.2152,
0.2861


 23.9291, 0.2152,
0.2861


 272.4618, 0.2672,
0.3112

 15.2810, 0.2013,
0.2784


 49.9145, 0.2348,
0.2962


 9.0169, 0.1831,
0.2677


 68.0206, 0.2420,
0.2997

 4.7522, 0.1583,
0.2518

 90.0481, 0.2479,
0.3025

 2.1026, 0.1235,
0.2263

 116.3816, 0.2530,
0.3049

 0.6661, 0.0183,
0.1886

 147.4053, 0.2573,
0.3069

 0.0000, 0.0000,
0.0000

 183.5036, 0.2610,

0.3085

225.0610, 0.2643,
0.3100

■ 23.9291, 0.2152,
0.2861

■ 23.9291, 0.2152,
0.2861

■ 22.9893, 0.2117,
0.2807

■ 25.0081, 0.2204,
0.2915

■ 22.7793, 0.2110,
0.2795

■ 26.2525, 0.2274,
0.2970

■ 27.6811, 0.2362,
0.3024

■ 29.3094, 0.2468,
0.3076

■ 31.1510, 0.2588,
0.3127

■ 33.2183, 0.2721,
0.3174

■ 35.5227, 0.2863,
0.3219

■ 38.0747, 0.3011,
0.3261

■ 40.8843, 0.3162,
0.3298

Harmonies

Analogous

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



23.9291, 0.2343, 0.3370



23.9291, 0.2152, 0.2861



23.9291, 0.2192, 0.2535

Triad

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



23.9291, 0.2152, 0.2861



23.9291, 0.3465, 0.2766



23.9291, 0.3783, 0.4246

Complementary

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



23.9291, 0.2152, 0.2861



10.4012, 0.5911, 0.3490

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.



23.9291, 0.4137, 0.3971



23.9291, 0.2152, 0.2861



23.9291, 0.3960, 0.3139

Square

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



23.9291, 0.2152, 0.2861



23.9291, 0.2908, 0.2512



23.9291, 0.4212, 0.3567



23.9291, 0.3270, 0.4249

Rectangle

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



23.9291, 0.2152, 0.2861



23.9291, 0.2343, 0.2438



23.9291, 0.4212, 0.3567



23.9291, 0.3925, 0.4177

Sweetspot

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



23.9300, 0.2152, 0.2861



60.7362, 0.2738, 0.3180



29.0932, 0.2946, 0.5665



13.2493, 0.2692, 0.3164



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.



23.9300, 0.2152, 0.2861



41.0584, 0.2107, 0.2785



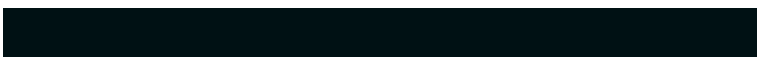
7.8431, 0.1752, 0.1380



8.3318, 0.2987, 0.3254



16.8178, 0.2111, 0.2801



0.4606, 0.2161, 0.2978

Inverse Universe

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



11.1895, 0.3573, 0.1808



19.1192, 0.3648, 0.1783



21.5228, 0.4795, 0.4452



7.6464, 0.3160, 0.3101



7.7688, 0.3634, 0.1776



0.1942, 0.3474, 0.1687

Previews

White Background



This preview shows how the Yxy color 23.9291, 0.2152, 0.2861 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 23.9291, 0.2152, 0.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

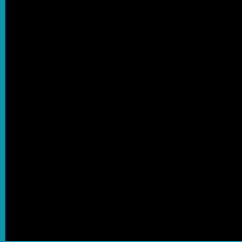
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9291, 0.2152, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 23.9291, 0.2152, 0.2861.

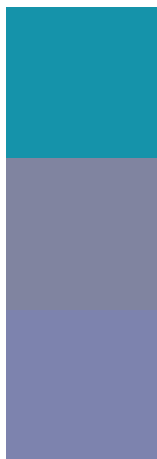


This preview shows how white text looks on a background with the Yxy color 23.9291, 0.2152, 0.2861.

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

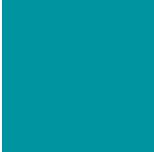
23.9291, 0.2152, 0.2861

Protanopia

23.6298, 0.2807, 0.2823

Deuteranopia

23.6486, 0.2655, 0.2593



Tritanopia

23.7179, 0.2182, 0.3057

Trichromacy



Original Color

23.9291, 0.2152, 0.2861



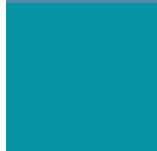
Protanomaly

22.6955, 0.2443, 0.2805



Deuteranomaly

22.9347, 0.2368, 0.2659



Tritanomaly

23.9118, 0.2171, 0.2984

Monochromacy



Original Color

23.9291, 0.2152, 0.2861



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.0230, 0.2563, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9291, 0.2152, 0.2861 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(21, 147, 170)` looks like.

```
.text, #text, p{  
    color:rgb(21, 147, 170)  
}
```

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(21, 147, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 147, 170) }
```

Border

The CSS property to change the border of an element to Yxy 23.9291, 0.2152, 0.2861 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(21, 147, 170) }
```

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

```
.border{ border-color:rgb(21, 147, 170) }
```

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

Here you see how a box with a 4 pixel rgb(21, 147, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 147, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 147, 170);  
box-shadow:4px 4px 4px 4px rgb(21, 147,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9291, 0.2152, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 147, 170) }
```

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

```
.background{ background-color: rgb(21, 147,  
170) }
```

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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