

Converting Colors

$Yxy(20.7484, 0.1655, 0.2808)$

Have a look what the booklet for
Yxy(20.7484, 0.1655, 0.2808)
contains.

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Color

$\text{Yxy}(23.4223, 0.2127, 0.2856)$

Conversions

Conversions Part 1

Format	Color
Hex	0092A9
RGB	0, 146, 169
RGB Percent	0%, 57%, 66%
CMY	0.9989, 0.4275, 0.3372
CMYK	1.00, 0.14, 0.00, 0.34
HSL	188°, 100%, 33%
HSV	188°, 100%, 66%
XYZ	17.4437, 23.4223, 41.1448
YIQ	104.9680, -94.3990, -23.7990

Conversions

Conversions Part 2

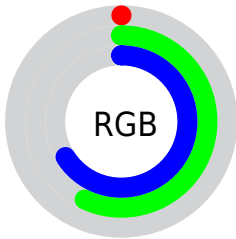
Format	Color
RYB	0, 78, 169
Decimal	37545
CIELab	55.50, -24.07, -21.31
CIElCh	56, 32.145, 221.522
Yxy	23.4223, 0.2127, 0.2856
Android (android.graphics.Color)	4278227625 (0xFF0092A9)
YUV	104.9680, 31.5678, -92.0569
Hunter-Lab	48.3966, -20.3568, -16.5284

Details

The Yxy color **23.4223, 0.2127, 0.2856** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.0621, 0.6266, 0.3404**, and the grayscale version is **14.0730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9657, 0.2329, 0.2960**, and **9.4688, 0.2084, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **23.4095, 0.2127, 0.2855**, and if you desaturate by 10%, it is **24.2603, 0.2158, 0.2903**.

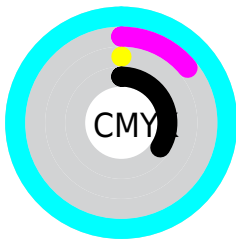
Distribution



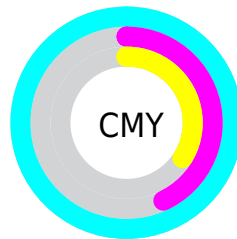
- Red (0%)
- Green (57%)
- Blue (66%)



- Red (0%)
- Yellow (31%)
- Blue (66%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (43%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4223, 0.2127, 0.2856 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 23.4223, 0.2127, 0.2856 by changing the saturation by 10% instead.


 23.4223, 0.2127,
0.2856


 23.4223, 0.2127,
0.2856


 269.8867, 0.2661,
0.3112


 14.9056, 0.1984,
0.2777


 49.0858, 0.2329,
0.2959


 8.7532, 0.1797,
0.2667


 67.0015, 0.2402,
0.2995

 4.5805, 0.1542,
0.2502

 88.8189, 0.2463,
0.3024

 2.0033, 0.1185,
0.2238

 114.9225, 0.2515,
0.3047

 0.6094, 0.0000,
0.1836

 145.6967, 0.2560,
0.3067

 0.0000, 0.0000,
0.0000

 181.5259, 0.2598,

0.3084

222.7944, 0.2632,
0.3099

■ 23.4223, 0.2127,
0.2856

■ 23.4223, 0.2127,
0.2856

■ 23.4095, 0.2127,
0.2855

■ 24.2603, 0.2158,
0.2903

■ 25.2134, 0.2203,
0.2950

■ 26.3224, 0.2267,
0.2998

■ 27.6055, 0.2349,
0.3045

■ 29.0783, 0.2449,
0.3092

■ 30.7546, 0.2565,
0.3136

■ 32.6468, 0.2693,
0.3179

■ 34.7664, 0.2832,
0.3219

■ 37.1238, 0.2979,
0.3256

Harmonies

Analogous

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



23.4223, 0.2327, 0.3383



23.4223, 0.2127, 0.2856



23.4223, 0.2163, 0.2518

Triad

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



23.4223, 0.2127, 0.2856



23.4223, 0.3462, 0.2745



23.4223, 0.3811, 0.4271

Complementary

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



23.4223, 0.2127, 0.2856



9.0621, 0.6266, 0.3404

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.



23.4223, 0.4171, 0.3981



23.4223, 0.2127, 0.2856



23.4223, 0.3977, 0.3125

Square

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



23.4223, 0.2127, 0.2856



23.4223, 0.2889, 0.2487



23.4223, 0.4243, 0.3562



23.4223, 0.3284, 0.4284

Rectangle

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



23.4223, 0.2127, 0.2856



23.4223, 0.2315, 0.2416



23.4223, 0.4243, 0.3562



23.4223, 0.3956, 0.4197

Sweetspot

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



23.4231, 0.2127, 0.2856



58.2058, 0.2684, 0.3176



28.4445, 0.2969, 0.5886



12.3808, 0.2631, 0.3159



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.



23.4231, 0.2127, 0.2856



41.6895, 0.2124, 0.2847



6.3285, 0.1662, 0.1182



8.3549, 0.2987, 0.3258



17.5009, 0.2128, 0.2860



0.4722, 0.2171, 0.3015

Inverse Universe

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



10.5180, 0.3583, 0.1748



18.7973, 0.3591, 0.1752



18.9832, 0.5015, 0.4399



7.6488, 0.3157, 0.3097



7.8378, 0.3579, 0.1746



0.1954, 0.3441, 0.1669

Previews

White Background



This preview shows how the Yxy color 23.4223, 0.2127, 0.2856 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 23.4223, 0.2127, 0.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

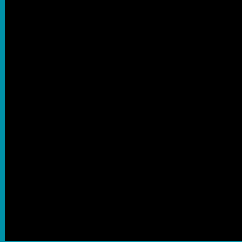
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4223, 0.2127, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 23.4223, 0.2127, 0.2856.

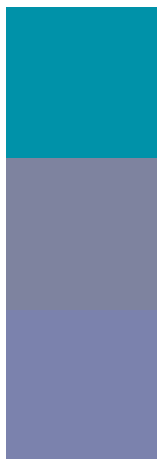


This preview shows how white text looks on a background with the Yxy color 23.4223, 0.2127, 0.2856.

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

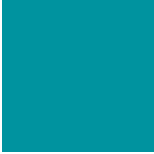
23.4223, 0.2127, 0.2856

Protanopia

23.1714, 0.2795, 0.2818

Deuteranopia

23.1933, 0.2643, 0.2587



Tritanopia

23.3706, 0.2182, 0.3055

Trichromacy



Original Color

23.4223, 0.2127, 0.2856

Protanomaly

21.9581, 0.2383, 0.2794

Deuteranomaly

22.2066, 0.2312, 0.2647

Tritanomaly

23.5118, 0.2162, 0.2982

Monochromacy



Original Color

23.4223, 0.2127, 0.2856

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

16.1847, 0.2487, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4223, 0.2127, 0.2856 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 169) }
```

Border

The CSS property to change the border of an element to Yxy 23.4223, 0.2127, 0.2856 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, 169) }
```

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

```
.border{ border-color:rgb(0, 146, 169) }
```

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, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4223, 0.2127, 0.2856 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, 169) }
```

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

```
.background{ background-color: rgb(0, 146,  
169) }
```

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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