

Converting Colors

$Yxy(23.8128, 0.2082, 0.2694)$

Have a look what the booklet for
Yxy(23.8128, 0.2082, 0.2694)
contains.

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Color

Yxy(23.8124, 0.2081, 0.2691)

Conversions

Conversions Part 1

Format	Color
Hex	0092B3
RGB	0, 146, 179
RGB Percent	0%, 57%, 70%
CMY	0.9995, 0.4274, 0.2981
CMYK	1.00, 0.18, 0.00, 0.30
HSL	191°, 100%, 35%
HSV	191°, 100%, 70%
XYZ	18.4146, 23.8124, 46.2621
YIQ	106.1080, -97.6090, -20.6890

Conversions

Conversions Part 2

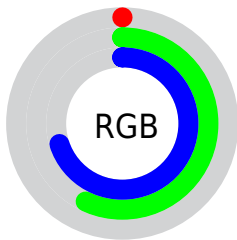
Format	Color
RYB	0, 80, 179
Decimal	37555
CIELab	55.90, -20.59, -26.39
CIELCh	56, 33.474, 232.036
Yxy	23.8124, 0.2081, 0.2691
Android (android.graphics.Color)	4278227635 (0xFF0092B3)
YUV	106.1080, 35.9358, -93.0567
Hunter-Lab	48.7980, -18.0370, -22.0503

Details

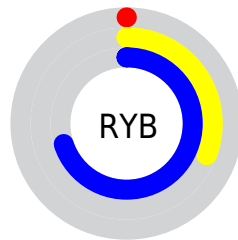
The Yxy color **23.8124, 0.2081, 0.2691** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.6744, 0.6199, 0.3459**, and the grayscale version is **14.3739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6864, 0.2288, 0.2823**, and **9.6908, 0.2028, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **23.8058, 0.2081, 0.2691**, and if you desaturate by 10%, it is **24.9734, 0.2117, 0.2756**.

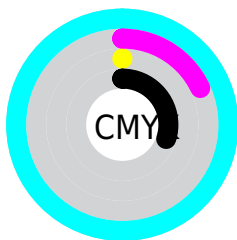
Distribution



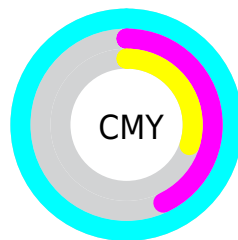
- Red (0%)
- Green (57%)
- Blue (70%)



- Red (0%)
- Yellow (31%)
- Blue (70%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (30%)




- Cyan (100%)
- Magenta (43%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8124, 0.2081, 0.2691 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 23.8124, 0.2081, 0.2691 by changing the saturation by 10% instead.


 23.8124, 0.2081,
0.2691


 23.8124, 0.2081,
0.2691

 271.8707, 0.2635,
0.3033


 15.1945, 0.1935,
0.2591


 49.7239, 0.2289,
0.2826

 8.9560, 0.1746,
0.2454


 67.7863, 0.2365,
0.2874

 4.7125, 0.1491,
0.2256

 89.7656, 0.2429,
0.2913

 2.0796, 0.1143,
0.1956

 116.0464, 0.2483,
0.2945

 0.6531, 0.0271,
0.1497

 147.0128, 0.2529,
0.2972

 0.0000, 0.0000,
0.0000

 183.0494, 0.2569,

0.2996

224.5406, 0.2604,
0.3016

■ 23.8124, 0.2081,
0.2691

■ 23.8124, 0.2081,
0.2691

■ 23.8058, 0.2081,
0.2691

■ 24.9734, 0.2117,
0.2756

■ 26.2799, 0.2168,
0.2822

■ 27.7770, 0.2238,
0.2889

■ 29.4862, 0.2326,
0.2954

■ 31.4257, 0.2432,
0.3018

■ 33.6114, 0.2553,
0.3080

■ 36.0579, 0.2686,
0.3139

■ 38.7784, 0.2828,
0.3193

■ 41.7852, 0.2977,
0.3244

Harmonies

Analogous

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



23.8124, 0.2201, 0.3178



23.8124, 0.2081, 0.2691



23.8124, 0.2202, 0.2424

Triad

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



23.8124, 0.2081, 0.2691



23.8124, 0.3678, 0.2853



23.8124, 0.3653, 0.4351

Complementary

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



23.8124, 0.2081, 0.2691



10.6744, 0.6199, 0.3459

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.



23.8124, 0.4103, 0.4129



23.8124, 0.2081, 0.2691



23.8124, 0.4141, 0.3272

Square

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



23.8124, 0.2081, 0.2691



23.8124, 0.3082, 0.2537



23.8124, 0.4295, 0.3726



23.8124, 0.3085, 0.4239

Rectangle

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



23.8124, 0.2081, 0.2691



23.8124, 0.2411, 0.2372



23.8124, 0.4295, 0.3726



23.8124, 0.3824, 0.4307

Sweetspot

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



23.8132, 0.2081, 0.2691



64.3315, 0.2678, 0.3135



32.3419, 0.2951, 0.5823



13.8376, 0.2622, 0.3111



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.8132, 0.2081, 0.2691



42.3394, 0.2078, 0.2680



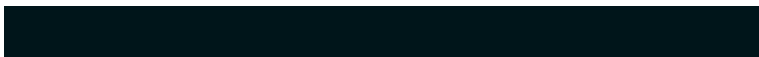
6.1569, 0.1623, 0.1042



9.3598, 0.2986, 0.3247



16.9144, 0.2083, 0.2698



0.6013, 0.2134, 0.2881

Inverse Universe

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



11.6592, 0.3737, 0.1832



20.8499, 0.3747, 0.1838



23.5841, 0.4885, 0.4503



8.6193, 0.3165, 0.3106



8.2477, 0.3730, 0.1828



0.2665, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 23.8124, 0.2081, 0.2691 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 23.8124, 0.2081, 0.2691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

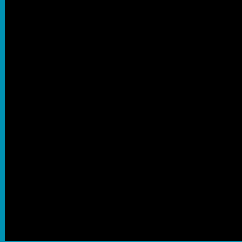
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8124, 0.2081, 0.2691

Background



This preview shows how black text looks on a background with the Yxy color 23.8124, 0.2081, 0.2691.

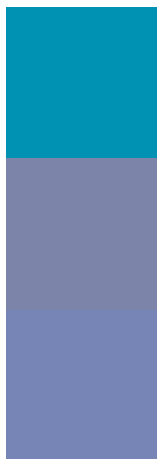


This preview shows how white text looks on a background with the Yxy color 23.8124, 0.2081, 0.2691.

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

23.8124, 0.2081, 0.2691

Protanopia

23.6522, 0.2689, 0.2681

Deuteranopia

23.7315, 0.2532, 0.2486



Tritanopia

23.7179, 0.2182, 0.3057

Trichromacy



Original Color

23.8124, 0.2081, 0.2691

Protanomaly

22.5707, 0.2315, 0.2651

Deuteranomaly

22.7234, 0.2244, 0.2526

Tritanomaly

23.6575, 0.2142, 0.2911

Monochromacy



Original Color

23.8124, 0.2081, 0.2691

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.5615, 0.2450, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8124, 0.2081, 0.2691 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 179) }
```

Border

The CSS property to change the border of an element to Yxy 23.8124, 0.2081, 0.2691 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, 179) }
```

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

```
.border{ border-color:rgb(0, 146, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8124, 0.2081, 0.2691 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, 179) }
```

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

```
.background{ background-color: rgb(0, 146,  
179) }
```

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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