

Converting Colors

$Yxy(23.1521, 0.1965, 0.3091)$

Have a look what the booklet for
Yxy(23.1521, 0.1965, 0.3091)
contains.

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Color

Yxy(24.3508, 0.2193, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	0096A0
RGB	0, 150, 160
RGB Percent	0%, 59%, 63%
CMY	1.0000, 0.4117, 0.3725
CMYK	1.00, 0.06, 0.00, 0.37
HSL	184°, 100%, 31%
HSV	184°, 100%, 63%
XYZ	17.2485, 24.3508, 37.0532
YIQ	106.2900, -92.6100, -28.6900

Conversions

Conversions Part 2

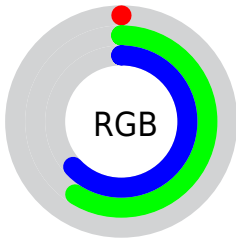
Format	Color
RYB	0, 77, 160
Decimal	38560
CIELab	56.44, -29.15, -14.74
CIELCh	56, 32.666, 206.823
Yxy	24.3508, 0.2193, 0.3096
Android (android.graphics.Color)	4278228640 (0xFF0096A0)
YUV	106.2900, 26.4790, -93.2163
Hunter-Lab	49.3465, -23.9639, -9.9769

Details

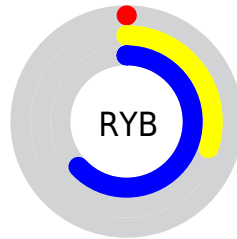
The Yxy color **24.3508, 0.2193, 0.3096** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.6918, 0.6347, 0.3342**, and the grayscale version is **14.4436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7931, 0.2382, 0.3149**, and **10.0278, 0.2171, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **24.3541, 0.2193, 0.3096**, and if you desaturate by 10%, it is **24.7849, 0.2217, 0.3116**.

Distribution



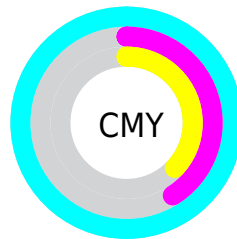
- Red (0%)
- Green (59%)
- Blue (63%)



- Red (0%)
- Yellow (30%)
- Blue (63%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (41%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3508, 0.2193, 0.3096 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 24.3508, 0.2193, 0.3096 by changing the saturation by 10% instead.


 24.3508, 0.2193,
0.3096


 24.3508, 0.2193,
0.3096


 274.5892, 0.2693,
0.3219


 15.5940, 0.2058,
0.3054


 50.6021, 0.2382,
0.3148

 9.2374, 0.1880,
0.2993


 68.8653, 0.2451,
0.3165


 4.8963, 0.1635,
0.2896

 91.0663, 0.2508,
0.3179

 2.1866, 0.1285,
0.2726

 117.5892, 0.2557,
0.3190

 0.7127, 0.0000,
0.2556

 148.8186, 0.2598,
0.3199

 0.0000, 0.0000,
0.0000

 185.1388, 0.2634,

0.3207

226.9342, 0.2665,
0.3213

■ 24.3508, 0.2193,
0.3096

■ 24.3508, 0.2193,
0.3096

■ 24.3541, 0.2193,
0.3096

■ 24.7849, 0.2217,
0.3116

■ 25.3051, 0.2253,
0.3137

■ 25.9525, 0.2307,
0.3158

■ 26.7430, 0.2379,
0.3179

■ 27.6901, 0.2470,
0.3199

■ 28.8059, 0.2577,
0.3219

■ 30.1011, 0.2699,
0.3239

■ 31.5855, 0.2834,
0.3257

■ 33.2684, 0.2977,
0.3274

Harmonies

Analogous

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



24.3508, 0.2505, 0.3670



24.3508, 0.2193, 0.3096



24.3508, 0.2113, 0.2654

Triad

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



24.3508, 0.2193, 0.3096



24.3508, 0.3176, 0.2598



24.3508, 0.4019, 0.4156

Complementary

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



24.3508, 0.2193, 0.3096



7.6918, 0.6347, 0.3342

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.



24.3508, 0.4251, 0.3785



24.3508, 0.2193, 0.3096



24.3508, 0.3747, 0.2926

Square

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



24.3508, 0.2193, 0.3096



24.3508, 0.2640, 0.2419



24.3508, 0.4156, 0.3345



24.3508, 0.3555, 0.4324

Rectangle

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



24.3508, 0.2193, 0.3096



24.3508, 0.2191, 0.2479



24.3508, 0.4156, 0.3345



24.3508, 0.4128, 0.4047

Sweetspot

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



24.3541, 0.2193, 0.3096



54.5018, 0.2692, 0.3238



25.1628, 0.2990, 0.5963



11.7425, 0.2643, 0.3230



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.3541, 0.2193, 0.3096



44.1020, 0.2192, 0.3092



7.1738, 0.1732, 0.1434



7.4384, 0.2988, 0.3275



18.9926, 0.2194, 0.3098



0.3588, 0.2217, 0.3180

Inverse Universe

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



9.6770, 0.3370, 0.1630



17.5568, 0.3374, 0.1632



14.4551, 0.5247, 0.4216



6.7474, 0.3146, 0.3083



7.5395, 0.3369, 0.1629



0.1367, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 24.3508, 0.2193, 0.3096 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 24.3508, 0.2193, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

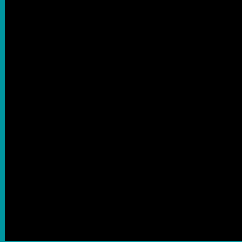
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3508, 0.2193, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 24.3508, 0.2193, 0.3096.

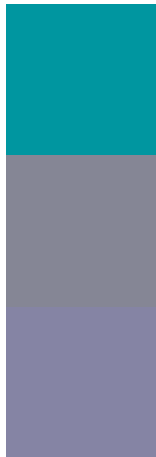


This preview shows how white text looks on a background with the Yxy color 24.3508, 0.2193, 0.3096.

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

24.3508, 0.2193, 0.3096

Protanopia

24.2067, 0.2964, 0.3038

Deuteranopia

24.1694, 0.2821, 0.2769



Tritanopia

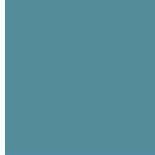
24.5069, 0.2197, 0.3060

Trichromacy



Original Color

24.3508, 0.2193, 0.3096



Protanomaly

22.9874, 0.2502, 0.3047



Deuteranomaly

23.0409, 0.2428, 0.2855



Tritanomaly

24.4375, 0.2197, 0.3078

Monochromacy



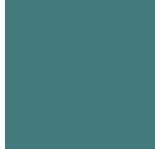
Original Color

24.3508, 0.2193, 0.3096



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.6187, 0.2512, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3508, 0.2193, 0.3096 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, 150, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 160)  
}
```

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, 150, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 160) }
```

Border

The CSS property to change the border of an element to Yxy 24.3508, 0.2193, 0.3096 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, 150, 160) }
```

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

```
.border{ border-color:rgb(0, 150, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3508, 0.2193, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 160) }
```

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

```
.background{ background-color: rgb(0, 150,  
160) }
```

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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