

Converting Colors

$Yxy(23.9977, 0.2047, 0.2807)$

Have a look what the booklet for
Yxy(23.9977, 0.2047, 0.2807)
contains.

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Color

Yxy(24.5509, 0.2120, 0.2830)

Conversions

Conversions Part 1

Format	Color
Hex	0195AE
RGB	1, 149, 174
RGB Percent	0%, 58%, 68%
CMY	0.9979, 0.4157, 0.3177
CMYK	1.00, 0.14, 0.00, 0.32
HSL	189°, 99%, 34%
HSV	189°, 100%, 68%
XYZ	18.3915, 24.5509, 43.8099
YIQ	107.5980, -96.2330, -23.6010

Conversions

Conversions Part 2

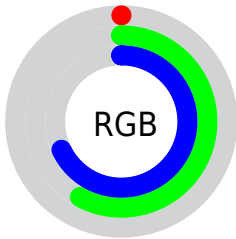
Format	Color
RYB	1, 81, 174
Decimal	103854
CIELab	56.64, -23.88, -22.42
CIElCh	57, 32.756, 223.185
Yxy	24.5509, 0.2120, 0.2830
Android (android.graphics.Color)	4278293934 (0xFF0195AE)
YUV	107.5980, 32.7362, -93.4864
Hunter-Lab	49.5489, -20.4551, -17.7386

Details

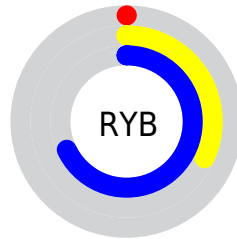
The Yxy color **24.5509, 0.2120, 0.2830** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7174, 0.6254, 0.3411**, and the grayscale version is **14.7626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8047, 0.2319, 0.2926**, and **10.1405, 0.2075, 0.2670** is the 20% darker color. If you saturate the color by 10%, you get **24.5240, 0.2119, 0.2828**, and if you desaturate by 10%, it is **25.4783, 0.2152, 0.2880**.

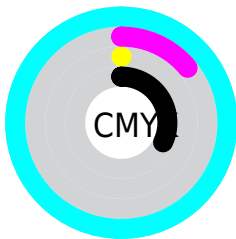
Distribution



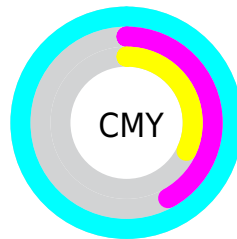
- Red (0%)
- Green (58%)
- Blue (68%)



- Red (0%)
- Yellow (32%)
- Blue (68%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (32%)





- Cyan (100%)
- Magenta (42%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5509, 0.2120, 0.2830 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 24.5509, 0.2120, 0.2830 by changing the saturation by 10% instead.


 24.5509, 0.2120,
0.2830


 24.5509, 0.2120,
0.2830


 275.5939, 0.2654,
0.3098


 15.7428, 0.1979,
0.2749


 50.9277, 0.2320,
0.2937


 9.3423, 0.1795,
0.2637


 69.2652, 0.2394,
0.2974


 4.9651, 0.1547,
0.2472

 91.5479, 0.2455,
0.3005


 2.2268, 0.1203,
0.2212

 118.1603, 0.2507,
0.3030

 0.7346, 0.0287,
0.1833

 149.4866, 0.2551,
0.3051

 0.0000, 0.0000,
0.0000

 185.9115, 0.2590,

0.3069

227.8191, 0.2624,
0.3084

■ 24.5509, 0.2120,
0.2830

■ 24.5509, 0.2120,
0.2830

■ 24.5240, 0.2119,
0.2828

■ 25.4783, 0.2152,
0.2880

■ 26.5328, 0.2198,
0.2930

■ 27.7558, 0.2263,
0.2981

■ 29.1671, 0.2346,
0.3031

■ 30.7834, 0.2447,
0.3080

■ 32.6196, 0.2564,
0.3128

■ 34.6890, 0.2694,
0.3173

■ 37.0038, 0.2834,
0.3216

■ 39.5754, 0.2981,
0.3255

Harmonies

Analogous

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



24.5509, 0.2307, 0.3351



24.5509, 0.2120, 0.2830



24.5509, 0.2169, 0.2503

Triad

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



24.5509, 0.2120, 0.2830



24.5509, 0.3495, 0.2762



24.5509, 0.3786, 0.4283

Complementary

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



24.5509, 0.2120, 0.2830



9.7174, 0.6254, 0.3411

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.



24.5509, 0.4161, 0.4003



24.5509, 0.2120, 0.2830



24.5509, 0.4002, 0.3148

Square

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



24.5509, 0.2120, 0.2830



24.5509, 0.2918, 0.2495



24.5509, 0.4251, 0.3587



24.5509, 0.3254, 0.4278

Rectangle

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



24.5509, 0.2120, 0.2830



24.5509, 0.2330, 0.2409



24.5509, 0.4251, 0.3587



24.5509, 0.3936, 0.4214

Sweetspot

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



24.5518, 0.2120, 0.2830



62.5968, 0.2682, 0.3169



30.3375, 0.2969, 0.5887



13.5596, 0.2628, 0.3151



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.5518, 0.2120, 0.2830



44.2338, 0.2117, 0.2820



6.7412, 0.1662, 0.1181



8.8723, 0.2986, 0.3256



17.8555, 0.2121, 0.2834



0.5494, 0.2163, 0.2985

Inverse Universe

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



11.1792, 0.3607, 0.1762



20.2286, 0.3616, 0.1766



20.2355, 0.5015, 0.4398



8.1279, 0.3159, 0.3098



8.1056, 0.3603, 0.1759



0.2308, 0.3467, 0.1684

Previews

White Background



This preview shows how the Yxy color 24.5509, 0.2120, 0.2830 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 24.5509, 0.2120, 0.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

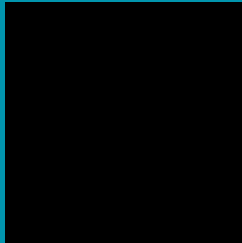
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5509, 0.2120, 0.2830

Background



This preview shows how black text looks on a background with the Yxy color 24.5509, 0.2120, 0.2830.

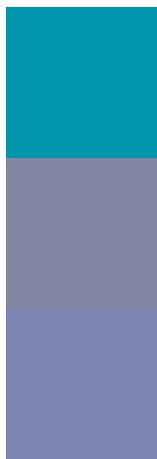


This preview shows how white text looks on a background with the Yxy color 24.5509, 0.2120, 0.2830.

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

24.5573, 0.2120, 0.2830

Protanopia

24.3617, 0.2792, 0.2812

Deuteranopia

24.3494, 0.2626, 0.2570



Tritanopia

24.4213, 0.2183, 0.3059

Trichromacy



Original Color

24.5573, 0.2120, 0.2830



Protanomaly

23.0491, 0.2380, 0.2787



Deuteranomaly

23.3450, 0.2305, 0.2628



Tritanomaly

24.5659, 0.2163, 0.2987

Monochromacy



Original Color

24.5573, 0.2120, 0.2830



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

16.7867, 0.2478, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5509, 0.2120, 0.2830 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(1, 149, 174)` looks like.

```
.text, #text, p{  
    color:rgb(1, 149, 174)  
}
```

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(1, 149, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 149, 174) }
```

Border

The CSS property to change the border of an element to Yxy 24.5509, 0.2120, 0.2830 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(1, 149, 174) }
```

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

```
.border{ border-color:rgb(1, 149, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 149, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 149, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 149, 174);  
box-shadow:4px 4px 4px 4px rgb(1, 149,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5509, 0.2120, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 149, 174) }
```

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

```
.background{ background-color: rgb(1, 149,  
174) }
```

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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