

Converting Colors

$Y_{xy}(24.2486, 0.2328, 0.2797)$

Have a look what the booklet for
Yxy(24.2486, 0.2328, 0.2797)
contains.

Yxy(24.3826, 0.2331, 0.2810)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.3826, 0.2331, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	4B90AB
RGB	75, 144, 171
RGB Percent	29%, 56%, 67%
CMY	0.7058, 0.4353, 0.3295
CMYK	0.56, 0.16, 0.00, 0.33
HSL	197°, 39%, 48%
HSV	197°, 56%, 67%
XYZ	20.2263, 24.3826, 42.1619
YIQ	126.4470, -49.7910, -6.2310

Conversions

Conversions Part 2

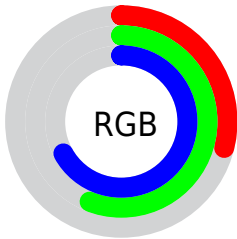
Format	Color
R_{YB}	75, 115, 171
Decimal	4952235
CIE _{Lab}	56.47, -13.85, -20.83
CIE _{LCh}	56, 25.015, 236.372
Yxy	24.3826, 0.2331, 0.2810
Android (android.graphics.Color)	4283142315 (0xFF4B90AB)
YUV	126.4470, 21.9646, -45.1190
Hunter-Lab	49.3787, -13.2965, -16.0595

Details

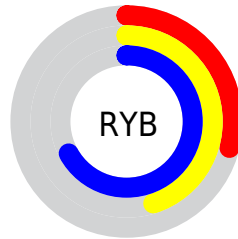
The Yxy color **24.3826, 0.2331, 0.2810** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.6721, 0.4513, 0.3694**, and the grayscale version is **20.9635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7044, 0.2495, 0.2923**, and **9.3373, 0.2063, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **22.3579, 0.2222, 0.2707**, and if you desaturate by 10%, it is **26.6565, 0.2455, 0.2909**.

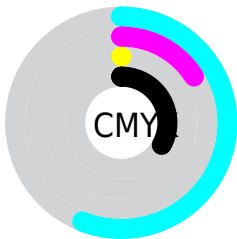
Distribution



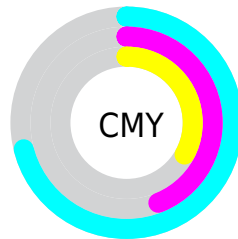
- Red (29%)
- Green (56%)
- Blue (67%)



- Red (29%)
- Yellow (45%)
- Blue (67%)



- Cyan (56%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)



- Cyan (71%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3826, 0.2331, 0.2810 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 24.3826, 0.2331, 0.2810 by changing the saturation by 10% instead.

■ 24.3826, 0.2331,
0.2810

■ 24.3826, 0.2331,
0.2810

274.7491, 0.2758,
0.3081

■ 15.6177, 0.2215,
0.2731

■ 50.6538, 0.2493,
0.2917

■ 9.2540, 0.2062,
0.2622

■ 68.9289, 0.2552,
0.2954

■ 4.9072, 0.1850,
0.2464

■ 91.1429, 0.2601,
0.2985

■ 2.1929, 0.1542,
0.2218

■ 117.6801, 0.2642,
0.3011

■ 0.7161, 0.0870,
0.1820

■ 148.9249, 0.2678,
0.3032

■ 0.0000, 0.0000,
0.0000

185.2617, 0.2708,

0.3051

227.0750, 0.2735,
0.3067

■ 24.3826, 0.2331,
0.2810

■ 24.3826, 0.2331,
0.2810

■ 22.3579, 0.2222,
0.2707

■ 26.6565, 0.2455,
0.2909

■ 20.5637, 0.2131,
0.2603

■ 29.1911, 0.2590,
0.3003

■ 18.9825, 0.2059,
0.2498

■ 32.0004, 0.2734,
0.3092

■ 17.5899, 0.2006,
0.2394

■ 35.0964, 0.2883,
0.3173

■ 17.0799, 0.1987,
0.2354

■ 38.4902, 0.3035,
0.3248

■ 42.1923, 0.3186,
0.3315

■ 46.2128, 0.3334,
0.3376

■ 50.5610, 0.3478,
0.3430

■ 55.2460, 0.3617,
0.3477

Harmonies

Analogous

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



24.3826, 0.2401, 0.3158



24.3826, 0.2331, 0.2810



24.3826, 0.2453, 0.2620

Triad

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



24.3826, 0.2331, 0.2810



24.3826, 0.3597, 0.3005



24.3826, 0.3474, 0.4074

Complementary

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



24.3826, 0.2331, 0.2810



18.6721, 0.4513, 0.3694

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.



24.3826, 0.3825, 0.3964



24.3826, 0.2331, 0.2810



24.3826, 0.3909, 0.3341

Square

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



24.3826, 0.2331, 0.2810



24.3826, 0.3164, 0.2743



24.3826, 0.3991, 0.3686



24.3826, 0.3045, 0.3940

Rectangle

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



24.3826, 0.2331, 0.2810



24.3826, 0.2632, 0.2590



24.3826, 0.3991, 0.3686



24.3826, 0.3605, 0.4062

Sweetspot

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



24.3835, 0.2331, 0.2810



62.1820, 0.2866, 0.3164



31.5507, 0.2885, 0.4599



13.6211, 0.2837, 0.3148



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.



24.3835, 0.2331, 0.2810



39.3507, 0.2202, 0.2686



13.0648, 0.2145, 0.1924



8.6855, 0.2986, 0.3225



12.9700, 0.1990, 0.2364



0.4471, 0.2077, 0.2677

Inverse Universe

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



15.7069, 0.3570, 0.2304



23.5958, 0.3704, 0.2147



30.5332, 0.4088, 0.4342



8.1091, 0.3179, 0.3128



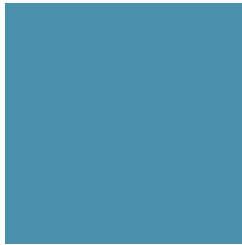
7.6124, 0.4060, 0.2010



0.2205, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 24.3826, 0.2331, 0.2810 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 24.3826, 0.2331, 0.2810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

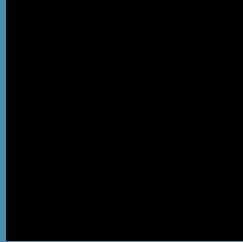
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3826, 0.2331, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 24.3826, 0.2331, 0.2810.

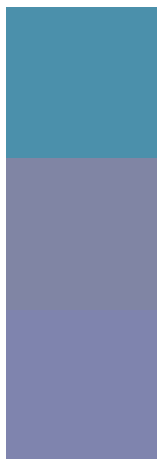


This preview shows how white text looks on a background with the Yxy color 24.3826, 0.2331, 0.2810.

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

24.3826, 0.2331, 0.2810

Protanopia

24.0446, 0.2772, 0.2779

Deuteranopia

24.0705, 0.2676, 0.2613



Tritanopia

24.3285, 0.2392, 0.3066

Trichromacy



Original Color

24.3826, 0.2331, 0.2810

Protanomaly

23.9326, 0.2580, 0.2777

Deuteranomaly

23.8136, 0.2523, 0.2667

Tritanomaly

24.2729, 0.2367, 0.2960

Monochromacy



Original Color

24.3826, 0.2331, 0.2810

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.8539, 0.2763, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3826, 0.2331, 0.2810 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(75, 144, 171)` looks like.

```
.text, #text, p{  
    color:rgb(75, 144, 171)  
}
```

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(75, 144, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 144, 171) }
```

Border

The CSS property to change the border of an element to Yxy 24.3826, 0.2331, 0.2810 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(75, 144, 171) }
```

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

```
.border{ border-color:rgb(75, 144, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 144, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 144, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 144, 171);  
box-shadow:4px 4px 4px 4px rgb(75, 144,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3826, 0.2331, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 144, 171) }
```

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

```
.background{ background-color: rgb(75, 144,  
171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor