

Converting Colors

$Y_{xy}(24.4200, 0.2297, 0.2824)$

Have a look what the booklet for
Yxy(24.4200, 0.2297, 0.2824)
contains.

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Color

Yxy(24.4200, 0.2297, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	4491AB
RGB	68, 145, 171
RGB Percent	27%, 57%, 67%
CMY	0.7330, 0.4314, 0.3294
CMYK	0.60, 0.15, 0.00, 0.33
HSL	195°, 43%, 47%
HSV	195°, 60%, 67%
XYZ	19.8629, 24.4200, 42.1902
YIQ	124.9410, -54.2380, -8.2380

Conversions

Conversions Part 2

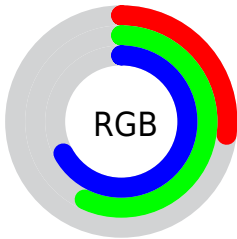
Format	Color
R_{YB}	68, 112, 171
Decimal	4493739
CIE _{Lab}	56.51, -15.81, -20.80
CIE _{LCh}	57, 26.126, 232.756
Yxy	24.4200, 0.2297, 0.2824
Android (android.graphics.Color)	4282683819 (0xFF4491AB)
YUV	124.9410, 22.7071, -49.9373
Hunter-Lab	49.4166, -14.7314, -16.0282

Details

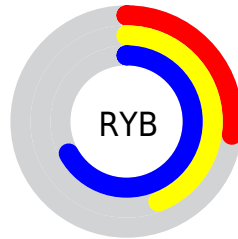
The Yxy color **24.4200, 0.2297, 0.2824** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.0934, 0.4691, 0.3671**, and the grayscale version is **20.4296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6978, 0.2466, 0.2934**, and **9.3373, 0.2063, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **22.5974, 0.2199, 0.2732**, and if you desaturate by 10%, it is **26.4739, 0.2411, 0.2914**.

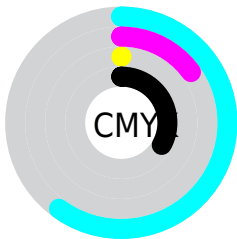
Distribution



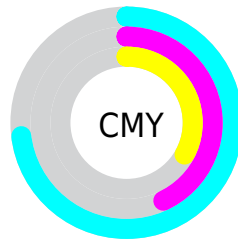
- Red (27%)
- Green (57%)
- Blue (67%)



- Red (27%)
- Yellow (44%)
- Blue (67%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)



- Cyan (73%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4200, 0.2297, 0.2824 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 24.4200, 0.2297, 0.2824 by changing the saturation by 10% instead.

■ 24.4200, 0.2297,
0.2824

■ 24.4200, 0.2297,
0.2824

274.9370, 0.2742,
0.3089

■ 15.6455, 0.2177,
0.2746

■ 50.7147, 0.2465,
0.2929

■ 9.2736, 0.2018,
0.2639

■ 69.0037, 0.2527,
0.2965

■ 4.9201, 0.1800,
0.2482

■ 91.2329, 0.2578,
0.2995

■ 2.2005, 0.1485,
0.2237

■ 117.7868, 0.2621,
0.3020

■ 0.7202, 0.0766,
0.1847

■ 149.0498, 0.2657,
0.3042

■ 0.0000, 0.0000,
0.0000

185.4062, 0.2689,

0.3060

227.2405, 0.2717,
0.3075

■ 24.4200, 0.2297,
0.2824

■ 24.4200, 0.2297,
0.2824

■ 22.5974, 0.2199,
0.2732

■ 26.4739, 0.2411,
0.2914

■ 20.9869, 0.2120,
0.2639

■ 28.7711, 0.2539,
0.2999

■ 19.5698, 0.2060,
0.2546

■ 31.3259, 0.2678,
0.3081

■ 18.3261, 0.2015,
0.2455

■ 34.1504, 0.2823,
0.3156

■ 37.2558, 0.2973,
0.3226

■ 40.6528, 0.3124,
0.3289

■ 44.3514, 0.3275,
0.3346

■ 48.3610, 0.3422,
0.3397

■ 52.6906, 0.3565,
0.3442

Harmonies

Analogous

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



24.4200, 0.2393, 0.3203



24.4200, 0.2297, 0.2824



24.4200, 0.2400, 0.2606

Triad

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



24.4200, 0.2297, 0.2824



24.4200, 0.3567, 0.2955



24.4200, 0.3538, 0.4108

Complementary

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



24.4200, 0.2297, 0.2824



17.0934, 0.4691, 0.3671

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.



24.4200, 0.3887, 0.3963



24.4200, 0.2297, 0.2824



24.4200, 0.3916, 0.3297

Square

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



24.4200, 0.2297, 0.2824



24.4200, 0.3109, 0.2696



24.4200, 0.4033, 0.3659



24.4200, 0.3094, 0.4002

Rectangle

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



24.4200, 0.2297, 0.2824



24.4200, 0.2572, 0.2562



24.4200, 0.4033, 0.3659



24.4200, 0.3671, 0.4084

Sweetspot

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



24.4209, 0.2297, 0.2824



62.1694, 0.2851, 0.3170



31.1590, 0.2887, 0.4744



13.5263, 0.2809, 0.3149



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.



24.4209, 0.2297, 0.2824



39.5461, 0.2173, 0.2703



12.1421, 0.2079, 0.1839



8.7243, 0.2986, 0.3231



13.9037, 0.2018, 0.2464



0.4673, 0.2095, 0.2743

Inverse Universe

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



14.8445, 0.3567, 0.2209



22.3209, 0.3698, 0.2054



29.4064, 0.4174, 0.4383



8.1130, 0.3175, 0.3122



7.7066, 0.3958, 0.1954



0.2225, 0.3688, 0.1805

Previews

White Background



This preview shows how the Yxy color 24.4200, 0.2297, 0.2824 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 24.4200, 0.2297, 0.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

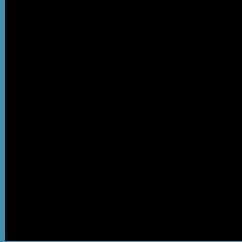
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4200, 0.2297, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 24.4200, 0.2297, 0.2824.

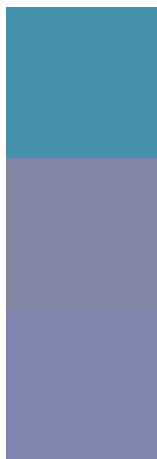


This preview shows how white text looks on a background with the Yxy color 24.4200, 0.2297, 0.2824.

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

24.4200, 0.2297, 0.2824

Protanopia

24.2837, 0.2782, 0.2811

Deuteranopia

24.0705, 0.2676, 0.2613



Tritanopia

24.4274, 0.2352, 0.3065

Trichromacy



Original Color

24.4200, 0.2297, 0.2824

Protanomaly

23.9943, 0.2564, 0.2808

Deuteranomaly

23.9726, 0.2510, 0.2682

Tritanomaly

24.3259, 0.2333, 0.2976

Monochromacy



Original Color

24.4200, 0.2297, 0.2824

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.3986, 0.2732, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4200, 0.2297, 0.2824 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(68, 145, 171)` looks like.

```
.text, #text, p{  
    color:rgb(68, 145, 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(68, 145, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 145, 171) }
```

Border

The CSS property to change the border of an element to Yxy 24.4200, 0.2297, 0.2824 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(68, 145, 171) }
```

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

```
.border{ border-color:rgb(68, 145, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 145, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 145, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 145, 171);  
box-shadow:4px 4px 4px 4px rgb(68, 145,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4200, 0.2297, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 145, 171) }
```

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

```
.background{ background-color: rgb(68, 145,  
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](#).

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