

Converting Colors

$Y_{xy}(22.4829, 0.2243, 0.2772)$

Have a look what the booklet for
Yxy(22.4829, 0.2243, 0.2772)
contains.

Yxy(22.4829, 0.2243, 0.2772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4829, 0.2243, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	3A8CA8
RGB	58, 140, 168
RGB Percent	23%, 55%, 66%
CMY	0.7725, 0.4510, 0.3411
CMYK	0.65, 0.17, 0.00, 0.34
HSL	195°, 49%, 44%
HSV	195°, 65%, 66%
XYZ	18.1923, 22.4829, 40.4319
YIQ	118.6740, -57.8600, -8.6760

Conversions

Conversions Part 2

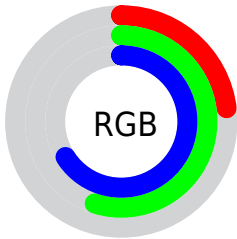
Format	Color
R_{YB}	58, 105, 168
Decimal	3837096
CIE _{Lab}	54.54, -15.88, -22.14
CIE _{LCh}	55, 27.248, 234.346
Yxy	22.4829, 0.2243, 0.2772
Android (android.graphics.Color)	4282027176 (0xFF3A8CA8)
YUV	118.6740, 24.3177, -53.2111
Hunter-Lab	47.4161, -14.4925, -17.3655

Details

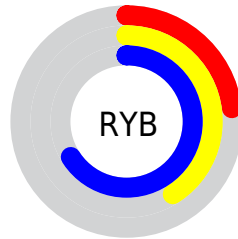
The Yxy color **22.4829, 0.2243, 0.2772** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **15.2926, 0.4887, 0.3691**, and the grayscale version is **18.2772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6932, 0.2428, 0.2898**, and **8.5733, 0.2051, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **20.8332, 0.2154, 0.2678**, and if you desaturate by 10%, it is **24.3472, 0.2349, 0.2864**.

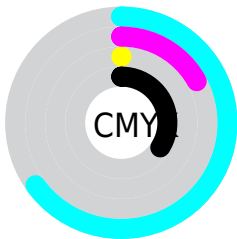
Distribution



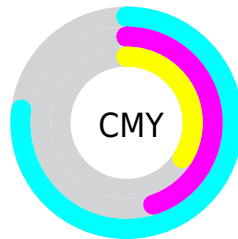
- Red (23%)
- Green (55%)
- Blue (66%)



- Red (23%)
- Yellow (41%)
- Blue (66%)



- Cyan (65%)
- Magenta (17%)
- Yellow (0%)
- Black (34%)



- Cyan (77%)
- Magenta (45%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4829, 0.2243, 0.2772 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 22.4829, 0.2243, 0.2772 by changing the saturation by 10% instead.

■ 22.4829, 0.2243,
0.2772

■ 22.4829, 0.2243,
0.2772

■ 265.0578, 0.2721,
0.3069

■ 14.2122, 0.2113,
0.2684

■ 47.5428, 0.2425,
0.2890

■ 8.2684, 0.1939,
0.2561

■ 65.1008, 0.2491,
0.2931

■ 4.2672, 0.1700,
0.2381

■ 86.5233, 0.2546,
0.2965

■ 1.8241, 0.1356,
0.2098

■ 112.1948, 0.2592,
0.2993

■ 0.5021, 0.0281,
0.1576

■ 142.4996, 0.2631,
0.3017

■ 0.0000, 0.0000,
0.0000

177.8221, 0.2665,

0.3037

218.5467, 0.2695,
0.3054

■ 22.4829, 0.2243,
0.2772

■ 22.4829, 0.2243,
0.2772

■ 20.8332, 0.2154,
0.2678

■ 24.3472, 0.2349,
0.2864

■ 19.3784, 0.2085,
0.2585

■ 26.4385, 0.2470,
0.2952

■ 18.0975, 0.2034,
0.2491

■ 28.7712, 0.2604,
0.3037

■ 17.5513, 0.2014,
0.2449

■ 31.3574, 0.2746,
0.3116

■ 34.2083, 0.2894,
0.3189

■ 37.3345, 0.3045,
0.3256

■ 40.7458, 0.3195,
0.3317

■ 44.4515, 0.3344,
0.3371

■ 48.4605, 0.3490,
0.3420

Harmonies

Analogous

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



22.4829, 0.2333, 0.3169



22.4829, 0.2243, 0.2772



22.4829, 0.2363, 0.2553

Triad

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



22.4829, 0.2243, 0.2772



22.4829, 0.3622, 0.2949



22.4829, 0.3541, 0.4170

Complementary

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



22.4829, 0.2243, 0.2772



15.2926, 0.4887, 0.3691

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.



22.4829, 0.3924, 0.4021



22.4829, 0.2243, 0.2772



22.4829, 0.3987, 0.3315

Square

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



22.4829, 0.2243, 0.2772



22.4829, 0.3132, 0.2669



22.4829, 0.4096, 0.3699



22.4829, 0.3063, 0.4043

Rectangle

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



22.4829, 0.2243, 0.2772



22.4829, 0.2552, 0.2514



22.4829, 0.4096, 0.3699



22.4829, 0.3685, 0.4147

Sweetspot

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



22.4837, 0.2243, 0.2772



59.4703, 0.2821, 0.3154



29.5739, 0.2879, 0.4890



12.6625, 0.2781, 0.3134



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



22.4837, 0.2243, 0.2772



36.4415, 0.2117, 0.2632



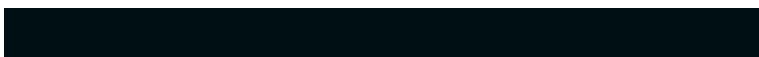
10.3066, 0.1990, 0.1695



8.2037, 0.2987, 0.3231



13.3372, 0.2016, 0.2459



0.3994, 0.2101, 0.2765

Inverse Universe

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



13.2477, 0.3622, 0.2142



20.1669, 0.3776, 0.2002



27.5385, 0.4264, 0.4453



7.6335, 0.3175, 0.3123



7.4175, 0.3964, 0.1957



0.1880, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 22.4829, 0.2243, 0.2772 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 22.4829, 0.2243, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

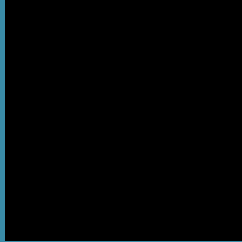
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4829, 0.2243, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 22.4829, 0.2243, 0.2772.

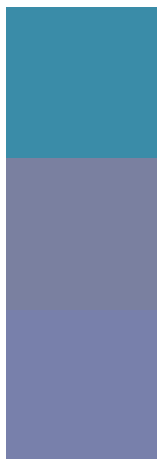


This preview shows how white text looks on a background with the Yxy color 22.4829, 0.2243, 0.2772.

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

22.4829, 0.2243, 0.2772

Protanopia

22.1140, 0.2742, 0.2745

Deuteranopia

22.3717, 0.2628, 0.2576



Tritanopia

22.3572, 0.2299, 0.3055

Trichromacy



Original Color

22.4829, 0.2243, 0.2772

Protanomaly

21.7995, 0.2513, 0.2738

Deuteranomaly

21.9462, 0.2445, 0.2626

Tritanomaly

22.3098, 0.2277, 0.2945

Monochromacy



Original Color

22.4829, 0.2243, 0.2772

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5263, 0.2700, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4829, 0.2243, 0.2772 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(58, 140, 168)` looks like.

```
.text, #text, p{  
  color:rgb(58, 140, 168)  
}
```

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(58, 140, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 140, 168) }
```

Border

The CSS property to change the border of an element to Yxy 22.4829, 0.2243, 0.2772 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(58, 140, 168) }
```

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

```
.border{ border-color:rgb(58, 140, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 140, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 140, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 140, 168);  
box-shadow:4px 4px 4px 4px rgb(58, 140,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4829, 0.2243, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 140, 168) }
```

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

```
.background{ background-color: rgb(58, 140,  
168) }
```

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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