

Converting Colors

$Y_{xy}(21.9713, 0.2556, 0.2626)$

Have a look what the booklet for
Yxy(21.9713, 0.2556, 0.2626)
contains.

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Color

Yxy(22.0436, 0.2555, 0.2638)

Conversions

Conversions Part 1	
Format	Color
Hex	6D82A8
RGB	109, 130, 168
RGB Percent	43%, 51%, 66%
CMY	0.5728, 0.4901, 0.3412
CMYK	0.35, 0.23, 0.00, 0.34
HSL	219°, 25%, 54%
HSV	219°, 35%, 66%
XYZ	21.3500, 22.0436, 40.1682
YIQ	128.0530, -24.7140, 7.3660

Conversions

Conversions Part 2

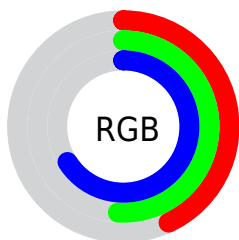
Format	Color
RYB	109, 124, 168
Decimal	7176872
CIELab	54.07, 1.90, -22.62
CIELCh	54, 22.704, 274.805
Yxy	22.0436, 0.2555, 0.2638
Android (android.graphics.Color)	4285366952 (0xFF6D82A8)
YUV	128.0530, 19.6939, -16.7095
Hunter-Lab	46.9506, -0.9936, -17.8596

Details

The Yxy color $22.0436, 0.2555, 0.2638$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $30.2631, 0.3743, 0.3864$, and the grayscale version is $21.5391, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.8761, 0.2680, 0.2782$, and $8.0756, 0.2348, 0.2401$ is the 20% darker color. If you saturate the color by 10%, you get $18.3550, 0.2381, 0.2412$, and if you desaturate by 10%, it is $26.2391, 0.2727, 0.2847$.

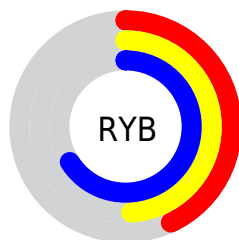
Distribution



Red (43%)

Green (51%)

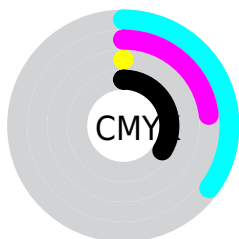
Blue (66%)



Red (43%)

Yellow (49%)

Blue (66%)

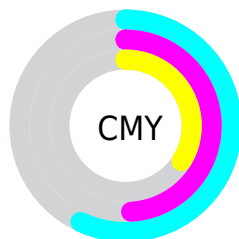


Cyan (35%)

Magenta (23%)

Yellow (0%)

Black (34%)



Cyan (57%)


Magenta (49%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0436, 0.2555, 0.2638 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 22.0436, 0.2555, 0.2638 by changing the saturation by 10% instead.


 22.0436, 0.2555,
0.2638


 22.0436, 0.2555,
0.2638


262.7739, 0.2871,
0.2996


 13.8889, 0.2465,
0.2537


 46.8180, 0.2678,
0.2776


 8.0435, 0.2343,
0.2401


 64.2066, 0.2721,
0.2826

 4.1228, 0.2169,
0.2208


 85.4420, 0.2758,
0.2867

 1.7425, 0.1902,
0.1916

 110.9085, 0.2788,
0.2901

 0.4509, 0.1366,
0.1297

140.9905, 0.2813,
0.2930

 0.0000, 0.0000,
0.0000

176.0725, 0.2835,

0.2955

216.5388, 0.2855,
0.2977

■ 22.0436, 0.2555,
0.2638

■ 22.0436, 0.2555,
0.2638

■ 18.3550, 0.2381,
0.2412

■ 26.2391, 0.2727,
0.2847

■ 15.1499, 0.2210,
0.2173

■ 30.9585, 0.2893,
0.3038

■ 12.4066, 0.2048,
0.1929

■ 36.2212, 0.3050,
0.3209

■ 10.1004, 0.1904,
0.1686

■ 42.0446, 0.3197,
0.3361

■ 8.2038, 0.1784,
0.1456

■ 48.4455, 0.3333,
0.3496

■ 6.6847, 0.1692,
0.1247

■ 55.4398, 0.3457,
0.3613

■ 6.0562, 0.1654,
0.1154

■ 63.0428, 0.3571,
0.3716

■ 71.2692, 0.3675,
0.3806

■ 79.1485, 0.3730,
0.3893

Harmonies

Analogous

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



22.0436, 0.2391, 0.2773



22.0436, 0.2555, 0.2638



22.0436, 0.2873, 0.2665

Triad

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



22.0436, 0.2555, 0.2638



22.0436, 0.3906, 0.3434



22.0436, 0.2940, 0.3821

Complementary

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



22.0436, 0.2555, 0.2638



30.2631, 0.3743, 0.3864

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.



22.0436, 0.3344, 0.4013



22.0436, 0.2555, 0.2638



22.0436, 0.3917, 0.3749

Square

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



22.0436, 0.2555, 0.2638



22.0436, 0.3668, 0.3107



22.0436, 0.3705, 0.3973



22.0436, 0.2601, 0.3456

Rectangle

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



22.0436, 0.2555, 0.2638



22.0436, 0.3141, 0.2763



22.0436, 0.3705, 0.3973



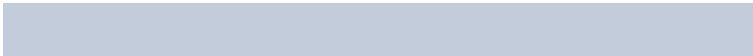
22.0436, 0.3072, 0.3910

Sweetspot

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



22.0445, 0.2555, 0.2638



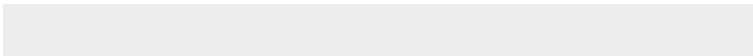
59.8420, 0.2956, 0.3108



33.3330, 0.2795, 0.3652



12.7800, 0.2936, 0.3086



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.



22.0445, 0.2555, 0.2638



34.8268, 0.2422, 0.2467



17.5191, 0.2585, 0.2283



7.7226, 0.2986, 0.3141



4.6637, 0.1659, 0.1172



0.2101, 0.1850, 0.1860

Inverse Universe

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



20.8593, 0.3647, 0.2967



32.8764, 0.3812, 0.2896



36.5881, 0.3565, 0.4171



7.5849, 0.3232, 0.3210



6.5419, 0.5506, 0.2807



0.1689, 0.4614, 0.2315

Previews

White Background



This preview shows how the Yxy color 22.0436, 0.2555, 0.2638 looks on a white background.

Color Contrast Check

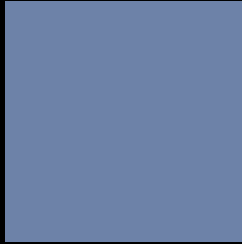
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0436, 0.2555, 0.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

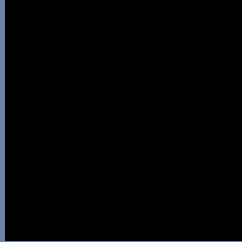
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

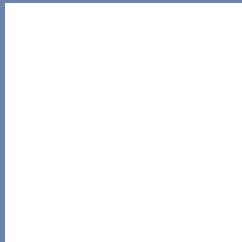
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0436, 0.2555, 0.2638

Background



This preview shows how black text looks on a background with the Yxy color 22.0436, 0.2555, 0.2638.

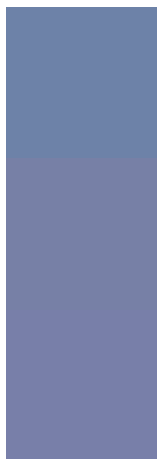


This preview shows how white text looks on a background with the Yxy color 22.0436, 0.2555, 0.2638.

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

22.0436, 0.2555, 0.2638

Protanopia

22.1135, 0.2660, 0.2648

Deuteranopia

22.0364, 0.2642, 0.2588



Tritanopia

22.0376, 0.2709, 0.3086

Trichromacy



Original Color
22.0436, 0.2555, 0.2638

Protanomaly
22.1354, 0.2616, 0.2644

Deuteranomaly
22.0159, 0.2607, 0.2599

Tritanomaly
22.1391, 0.2657, 0.2930

Monochromacy



Original Color
22.0436, 0.2555, 0.2638

Achromatopsia
21.5861, 0.3127, 0.3290

Achromatomaly
21.7486, 0.2893, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0436, 0.2555, 0.2638 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(109, 130, 168)` looks like.

```
.text, #text, p{  
    color:rgb(109, 130, 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(109, 130, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 130, 168) }
```

Border

The CSS property to change the border of an element to Yxy 22.0436, 0.2555, 0.2638 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(109, 130, 168) }
```

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

```
.border{ border-color:rgb(109, 130, 168) }
```

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

Here you see how a box with a 4 pixel rgb(109, 130, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 130, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 130, 168);  
box-shadow:4px 4px 4px 4px rgb(109, 130,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0436, 0.2555, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 130, 168) }
```

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

```
.background{ background-color: rgb(109,  
130, 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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