

Converting Colors

$Y_{xy}(22.1920, 0.2440, 0.2526)$

Have a look what the booklet for
Yxy(22.1920, 0.2440, 0.2526)
contains.

Yxy(22.1920, 0.2440, 0.2526)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1920, 0.2440, 0.2526)

Conversions

Conversions Part 1

Format	Color
Hex	6683B0
RGB	102, 131, 176
RGB Percent	40%, 51%, 69%
CMY	0.5998, 0.4863, 0.3098
CMYK	0.42, 0.26, 0.00, 0.31
HSL	217°, 32%, 55%
HSV	217°, 42%, 69%
XYZ	21.4365, 22.1920, 44.2259
YIQ	127.4590, -31.7290, 7.8470

Conversions

Conversions Part 2

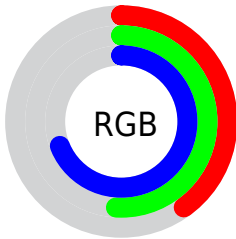
Format	Color
R _Y B	102, 123, 176
Decimal	6718384
CIE Lab	54.23, 1.63, -27.03
CIE LCh	54, 27.079, 273.462
Yxy	22.1920, 0.2440, 0.2526
Android (android.graphics.Color)	4284908464 (0xFF6683B0)
YUV	127.4590, 23.9307, -22.3275
Hunter-Lab	47.1084, -1.2141, -22.6862

Details

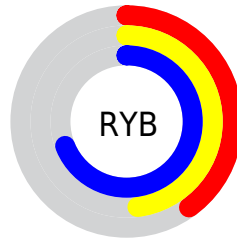
The Yxy color **22.1920, 0.2440, 0.2526** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **31.0769, 0.3903, 0.3944**, and the grayscale version is **21.3177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1751, 0.2586, 0.2686**, and **8.1428, 0.2200, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **18.5406, 0.2271, 0.2303**, and if you desaturate by 10%, it is **26.3610, 0.2611, 0.2736**.

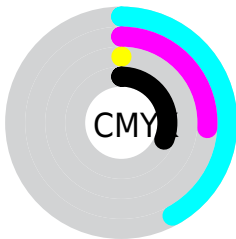
Distribution



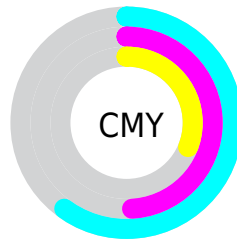
- Red (40%)
- Green (51%)
- Blue (69%)



- Red (40%)
- Yellow (48%)
- Blue (69%)



- Cyan (42%)
- Magenta (26%)
- Yellow (0%)
- Black (31%)



- Cyan (60%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1920, 0.2440, 0.2526 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 22.1920, 0.2440, 0.2526 by changing the saturation by 10% instead.

■ 22.1920, 0.2440,
0.2526

■ 22.1920, 0.2440,
0.2526

■ 263.5473, 0.2817,
0.2943

■ 13.9980, 0.2335,
0.2411

■ 47.0631, 0.2585,
0.2686

■ 8.1193, 0.2194,
0.2256

■ 64.5091, 0.2637,
0.2743

■ 4.1714, 0.1995,
0.2041

■ 85.8078, 0.2680,
0.2791

■ 1.7699, 0.1701,
0.1724

■ 111.3438, 0.2716,
0.2831

■ 0.4683, 0.1160,
0.1120

■ 141.5013, 0.2747,
0.2865

■ 0.0000, 0.0000,
0.0000

176.6648, 0.2774,

0.2895

217.2187, 0.2797,
0.2920

■ 22.1920, 0.2440,
0.2526

■ 22.1920, 0.2440,
0.2526

■ 18.5406, 0.2271,
0.2303

■ 26.3610, 0.2611,
0.2736

■ 15.3812, 0.2110,
0.2071

■ 31.0663, 0.2780,
0.2929

■ 12.6899, 0.1964,
0.1838

■ 36.3289, 0.2943,
0.3104

■ 10.4388, 0.1839,
0.1610

■ 42.1675, 0.3097,
0.3261

■ 8.5963, 0.1741,
0.1399

■ 48.6002, 0.3242,
0.3400

■ 7.3750, 0.1679,
0.1244

■ 55.6439, 0.3376,
0.3522

■ 63.3152, 0.3499,
0.3630

■ 71.6298, 0.3612,
0.3724

■ 79.5536, 0.3675,
0.3814

Harmonies

Analogous

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



22.1920, 0.2259, 0.2686



22.1920, 0.2440, 0.2526



22.1920, 0.2803, 0.2553

Triad

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



22.1920, 0.2440, 0.2526



22.1920, 0.4049, 0.3433



22.1920, 0.2920, 0.3946

Complementary

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



22.1920, 0.2440, 0.2526



31.0769, 0.3903, 0.3944

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.



22.1920, 0.3399, 0.4162



22.1920, 0.2440, 0.2526



22.1920, 0.4070, 0.3808

Square

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



22.1920, 0.2440, 0.2526



22.1920, 0.3752, 0.3055



22.1920, 0.3824, 0.4089



22.1920, 0.2518, 0.3507

Rectangle

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



22.1920, 0.2440, 0.2526



22.1920, 0.3117, 0.2663



22.1920, 0.3824, 0.4089



22.1920, 0.3078, 0.4050

Sweetspot

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



22.1928, 0.2440, 0.2526



64.6762, 0.2924, 0.3084



35.9659, 0.2758, 0.3781



13.5553, 0.2889, 0.3047



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.



22.1928, 0.2440, 0.2526



34.3351, 0.2290, 0.2329



15.9282, 0.2429, 0.2041



8.7575, 0.2985, 0.3148



5.5183, 0.1684, 0.1263



0.2890, 0.1846, 0.1844

Inverse Universe

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



20.3821, 0.3762, 0.2865



31.4709, 0.3967, 0.2781



40.4010, 0.3670, 0.4336



8.5585, 0.3228, 0.3201



7.0972, 0.5378, 0.2736



0.2350, 0.4633, 0.2326

Previews

White Background



This preview shows how the Yxy color 22.1920, 0.2440, 0.2526 looks on a white background.

Color Contrast Check

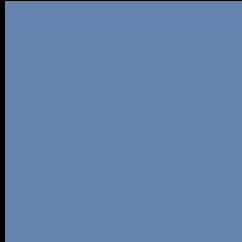
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1920, 0.2440, 0.2526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

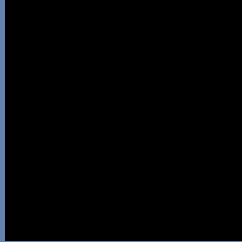
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

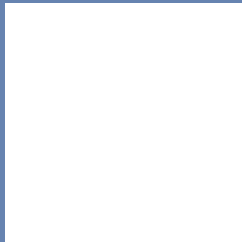
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.1920, 0.2440, 0.2526

Background



This preview shows how black text looks on a background with the Yxy color 22.1920, 0.2440, 0.2526.

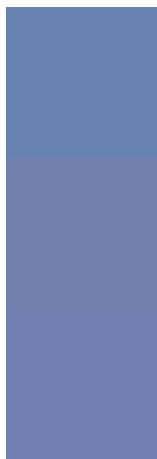


This preview shows how white text looks on a background with the Yxy color 22.1920, 0.2440, 0.2526.

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

22.1920, 0.2440, 0.2526

Protanopia

22.1685, 0.2574, 0.2540

Deuteranopia

22.2575, 0.2534, 0.2482



Tritanopia

22.0946, 0.2608, 0.3083

Trichromacy



Original Color

22.1920, 0.2440, 0.2526

Protanomaly

22.1360, 0.2524, 0.2535

Deuteranomaly

22.1898, 0.2493, 0.2490

Tritanomaly

22.0602, 0.2540, 0.2855

Monochromacy



Original Color

22.1920, 0.2440, 0.2526

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3342, 0.2840, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1920, 0.2440, 0.2526 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(102, 131, 176)` looks like.

```
.text, #text, p{  
    color:rgb(102, 131, 176)  
}
```

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(102, 131, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 131, 176) }
```

Border

The CSS property to change the border of an element to Yxy 22.1920, 0.2440, 0.2526 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(102, 131, 176) }
```

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

```
.border{ border-color:rgb(102, 131, 176) }
```

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

Here you see how a box with a 4 pixel rgb(102, 131, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 131, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 131, 176);  
box-shadow:4px 4px 4px 4px rgb(102, 131,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1920, 0.2440, 0.2526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 131, 176) }
```

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

```
.background{ background-color: rgb(102,  
131, 176) }
```

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