

Converting Colors

$Y_{xy}(22.4969, 0.2171, 0.2112)$

Have a look what the booklet for
Yxy(22.4969, 0.2171, 0.2112)
contains.

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Color

Yxy(22.4969, 0.2171, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	5982CD
RGB	89, 130, 205
RGB Percent	35%, 51%, 80%
CMY	0.6509, 0.4902, 0.1960
CMYK	0.57, 0.37, 0.00, 0.20
HSL	219°, 54%, 58%
HSV	219°, 57%, 80%
XYZ	23.1254, 22.4969, 60.8971
YIQ	126.2910, -48.5110, 14.6330

Conversions

Conversions Part 2

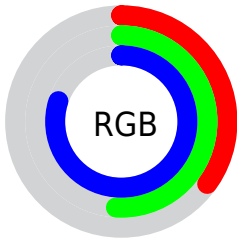
Format	Color
R _Y B	89, 119, 205
Decimal	5866189
CIE Lab	54.55, 8.05, -43.14
CIE LCh	55, 43.887, 280.565
Yxy	22.4969, 0.2171, 0.2112
Android (android.graphics.Color)	4284056269 (0xFF5982CD)
YUV	126.2910, 38.8035, -32.7042
Hunter-Lab	47.4309, 4.0252, -42.9216

Details

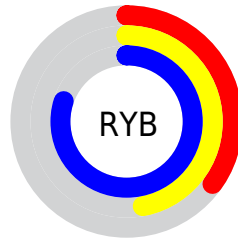
The Yxy color **22.4969, 0.2171, 0.2112** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **40.2738, 0.4210, 0.4210**, and the grayscale version is **20.8478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1980, 0.2398, 0.2417**, and **8.2356, 0.1860, 0.1754** is the 20% darker color. If you saturate the color by 10%, you get **18.3173, 0.2010, 0.1862**, and if you desaturate by 10%, it is **27.4152, 0.2343, 0.2357**.

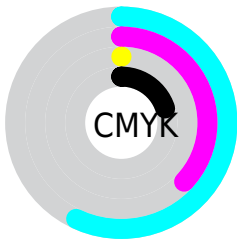
Distribution



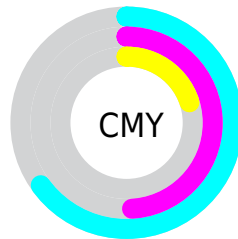
- Red (35%)
- Green (51%)
- Blue (80%)



- Red (35%)
- Yellow (47%)
- Blue (80%)



- Cyan (57%)
- Magenta (37%)
- Yellow (0%)
- Black (20%)



- Cyan (65%)
- Magenta (49%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4969, 0.2171, 0.2112 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 22.4969, 0.2171, 0.2112 by changing the saturation by 10% instead.

■ 22.4969, 0.2171,
0.2112

■ 22.4969, 0.2171,
0.2112

265.1303, 0.2685,
0.2728

■ 14.2225, 0.2036,
0.1955

■ 47.5659, 0.2364,
0.2340

■ 8.2756, 0.1860,
0.1755

■ 65.1293, 0.2435,
0.2424

■ 4.2718, 0.1626,
0.1494

■ 86.5577, 0.2494,
0.2495

■ 1.8267, 0.1307,
0.1151

■ 112.2357, 0.2544,
0.2556

■ 0.5037, 0.0868,
0.0647

142.5475, 0.2587,
0.2608

■ 0.0000, 0.0000,
0.0000

177.8777, 0.2624,

0.2653

218.6105, 0.2656,
0.2693

■ 22.4969, 0.2171,
0.2112

■ 22.4969, 0.2171,
0.2112

■ 18.3173, 0.2010,
0.1862

■ 27.4152, 0.2343,
0.2357

■ 14.8326, 0.1869,
0.1617

■ 33.1074, 0.2521,
0.2591

■ 11.9972, 0.1754,
0.1388

■ 39.6092, 0.2696,
0.2808

■ 9.7552, 0.1669,
0.1183

■ 46.9530, 0.2866,
0.3006

■ 9.0979, 0.1644,
0.1119

■ 55.1694, 0.3027,
0.3184

64.2874, 0.3177,
0.3342

74.3346, 0.3316,
0.3481

85.3372, 0.3444,
0.3603

93.6322, 0.3434,
0.3728

Harmonies

Analogous

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



22.4969, 0.1846, 0.2252



22.4969, 0.2171, 0.2112



22.4969, 0.2767, 0.2224

Triad

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



22.4969, 0.2171, 0.2112



22.4969, 0.4660, 0.3588



22.4969, 0.2603, 0.4247

Complementary

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



22.4969, 0.2171, 0.2112



40.2738, 0.4210, 0.4210

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.



22.4969, 0.3330, 0.4709



22.4969, 0.2171, 0.2112



22.4969, 0.4546, 0.4155

Square

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



22.4969, 0.2171, 0.2112



22.4969, 0.4286, 0.3029



22.4969, 0.4042, 0.4609



22.4969, 0.2057, 0.3424

Rectangle

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



22.4969, 0.2171, 0.2112



22.4969, 0.3281, 0.2420



22.4969, 0.4042, 0.4609



22.4969, 0.2834, 0.4461

Sweetspot

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



22.4977, 0.2171, 0.2112



76.0823, 0.2855, 0.2994



48.4261, 0.2644, 0.3937



15.7405, 0.2821, 0.2955



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



22.4977, 0.2171, 0.2112



28.5949, 0.1976, 0.1806



14.5294, 0.2157, 0.1539



11.4815, 0.2983, 0.3136



5.8253, 0.1652, 0.1145



0.4426, 0.1763, 0.1547

Inverse Universe

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



21.7425, 0.4197, 0.2783



29.2130, 0.4580, 0.2721



55.2871, 0.3800, 0.4692



11.2780, 0.3236, 0.3208



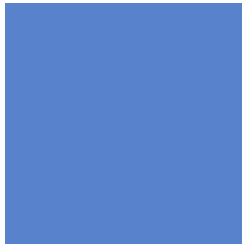
8.3911, 0.5545, 0.2828



0.4472, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 22.4969, 0.2171, 0.2112 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 22.4969, 0.2171, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

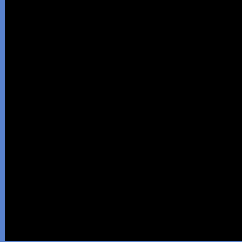
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

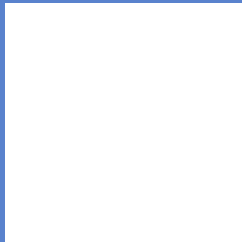
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.4969, 0.2171, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 22.4969, 0.2171, 0.2112.

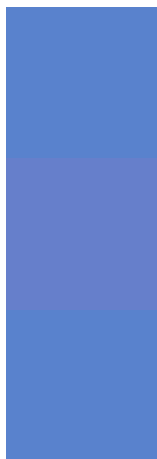


This preview shows how white text looks on a background with the Yxy color 22.4969, 0.2171, 0.2112.

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

22.4969, 0.2171, 0.2112

Protanopia

22.3153, 0.2256, 0.2111

Deuteranopia

22.4969, 0.2171, 0.2112



Tritanopia

22.5457, 0.2399, 0.3078

Trichromacy



Original Color

22.4969, 0.2171, 0.2112

Protanomaly

22.3394, 0.2220, 0.2106

Deuteranomaly

22.4969, 0.2171, 0.2112

Tritanomaly

22.3681, 0.2309, 0.2680

Monochromacy



Original Color

22.4969, 0.2171, 0.2112

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0560, 0.2695, 0.2793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4969, 0.2171, 0.2112 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(89, 130, 205)` looks like.

```
.text, #text, p{  
    color:rgb(89, 130, 205)  
}
```

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(89, 130, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 130, 205) }
```

Border

The CSS property to change the border of an element to Yxy 22.4969, 0.2171, 0.2112 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(89, 130, 205) }
```

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

```
.border{ border-color:rgb(89, 130, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 130, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 130, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 130, 205);  
box-shadow:4px 4px 4px 4px rgb(89, 130,  
205) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.4969, 0.2171, 0.2112$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 130, 205) }
```

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

```
.background{ background-color: rgb(89, 130,  
205) }
```

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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