

Converting Colors

$Y_{xy}(22.8267, 0.2067, 0.1934)$

Have a look what the booklet for
Yxy(22.8267, 0.2067, 0.1934)
contains.

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Color

Yxy(22.7068, 0.2065, 0.1927)

Conversions

Conversions Part 1

Format	Color
Hex	5381DC
RGB	83, 129, 220
RGB Percent	33%, 51%, 86%
CMY	0.6745, 0.4941, 0.1373
CMYK	0.62, 0.41, 0.00, 0.14
HSL	220°, 66%, 59%
HSV	220°, 62%, 86%
XYZ	24.3329, 22.7068, 70.7953
YIQ	125.6200, -56.6270, 18.5490

Conversions

Conversions Part 2

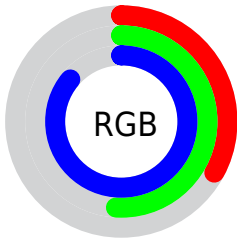
Format	Color
R _Y B	83, 117, 220
Decimal	5472732
CIE Lab	54.77, 12.45, -51.25
CIE LCh	55, 52.739, 283.649
Yxy	22.7068, 0.2065, 0.1927
Android (android.graphics.Color)	4283662812 (0xFF5381DC)
YUV	125.6200, 46.5293, -37.3777
Hunter-Lab	47.6517, 7.7592, -54.7300

Details

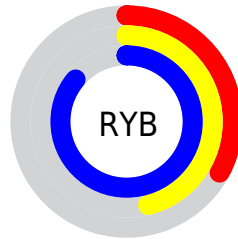
The Yxy color **22.7068, 0.2065, 0.1927** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **46.0976, 0.4320, 0.4310**, and the grayscale version is **20.5829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1074, 0.2377, 0.2388**, and **8.4177, 0.1765, 0.1552** is the 20% darker color. If you saturate the color by 10%, you get **18.2829, 0.1912, 0.1673**, and if you desaturate by 10%, it is **27.9998, 0.2234, 0.2183**.

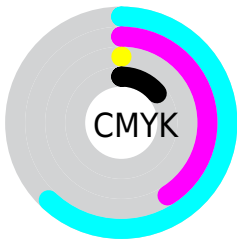
Distribution



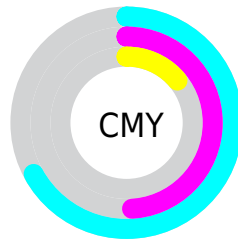
- Red (33%)
- Green (51%)
- Blue (86%)



- Red (33%)
- Yellow (46%)
- Blue (86%)



- Cyan (62%)
- Magenta (41%)
- Yellow (0%)
- Black (14%)



- Cyan (67%)
- Magenta (49%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7068, 0.2065, 0.1927 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 22.7068, 0.2065, 0.1927 by changing the saturation by 10% instead.

■ 22.7068, 0.2065,
0.1927

■ 22.7068, 0.2065,
0.1927

266.2155, 0.2629,
0.2622

■ 14.3772, 0.1921,
0.1758

■ 47.9114, 0.2274,
0.2178

■ 8.3835, 0.1736,
0.1548

■ 65.5552, 0.2352,
0.2273

■ 4.3413, 0.1497,
0.1283

■ 87.0725, 0.2417,
0.2354

■ 1.8662, 0.1183,
0.0951

■ 112.8477, 0.2472,
0.2423

■ 0.5280, 0.0781,
0.0512

143.2652, 0.2520,
0.2483

■ 0.0000, 0.0000,
0.0000

178.7094, 0.2561,

0.2535

219.5647, 0.2597,
0.2581

■ 22.7068, 0.2065,
0.1927

■ 22.7068, 0.2065,
0.1927

■ 18.2829, 0.1912,
0.1673

■ 27.9998, 0.2234,
0.2183

■ 14.6714, 0.1784,
0.1431

■ 34.2086, 0.2413,
0.2432

■ 11.8106, 0.1686,
0.1213

■ 41.3790, 0.2592,
0.2667

■ 10.0484, 0.1630,
0.1066

■ 49.5526, 0.2768,
0.2883

■ 58.7685, 0.2936,
0.3079

69.0634, 0.3093,
0.3253

80.4725, 0.3239,
0.3408

92.2659, 0.3346,
0.3545

97.9462, 0.3334,
0.3631

Harmonies

Analogous

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



22.7068, 0.1670, 0.2040



22.7068, 0.2065, 0.1927



22.7068, 0.2779, 0.2085

Triad

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



22.7068, 0.2065, 0.1927



22.7068, 0.4959, 0.3663



22.7068, 0.2409, 0.4368

Complementary

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



22.7068, 0.2065, 0.1927



46.0976, 0.4320, 0.4310

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.



22.7068, 0.3242, 0.4993



22.7068, 0.2065, 0.1927



22.7068, 0.4736, 0.4321

Square

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



22.7068, 0.2065, 0.1927



22.7068, 0.4585, 0.3028



22.7068, 0.4089, 0.4875



22.7068, 0.1822, 0.3328

Rectangle

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



22.7068, 0.2065, 0.1927



22.7068, 0.3399, 0.2321



22.7068, 0.4089, 0.4875



22.7068, 0.2670, 0.4655

Sweetspot

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



22.7075, 0.2065, 0.1927



73.1016, 0.2821, 0.2946



55.9941, 0.2605, 0.3985



14.8821, 0.2772, 0.2888



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.



22.7075, 0.2065, 0.1927



23.7363, 0.1866, 0.1590



14.2685, 0.2059, 0.1356



13.3283, 0.2981, 0.3130



6.0831, 0.1637, 0.1094



0.5500, 0.1729, 0.1424

Inverse Universe

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



22.9839, 0.4414, 0.2775



26.4568, 0.4868, 0.2743



64.0010, 0.3830, 0.4824



13.1233, 0.3239, 0.3212



9.2379, 0.5620, 0.2869



0.6142, 0.5159, 0.2616

Previews

White Background



This preview shows how the Yxy color 22.7068, 0.2065, 0.1927 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 22.7068, 0.2065, 0.1927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

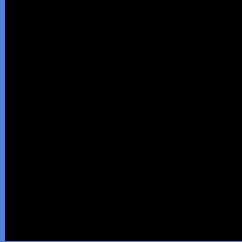
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

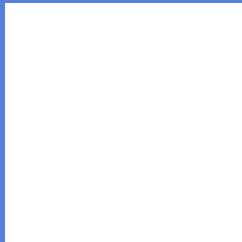
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.7068, 0.2065, 0.1927

Background



This preview shows how black text looks on a background with the Yxy color 22.7068, 0.2065, 0.1927.



This preview shows how white text looks on a background with the Yxy color 22.7068, 0.2065, 0.1927.

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

22.7068, 0.2065, 0.1927

Protanopia

22.5160, 0.2116, 0.1932

Deuteranopia

22.6123, 0.2011, 0.1947



Tritanopia

22.6896, 0.2297, 0.3056

Trichromacy



Original Color

22.7068, 0.2065, 0.1927

Protanomaly

22.6767, 0.2098, 0.1932

Deuteranomaly

22.5356, 0.2029, 0.1939

Tritanomaly

22.4558, 0.2192, 0.2562

Monochromacy



Original Color

22.7068, 0.2065, 0.1927

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0318, 0.2623, 0.2709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7068, 0.2065, 0.1927 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(83, 129, 220)` looks like.

```
.text, #text, p{  
    color:rgb(83, 129, 220)  
}
```

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(83, 129, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 129, 220) }
```

Border

The CSS property to change the border of an element to Yxy 22.7068, 0.2065, 0.1927 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(83, 129, 220) }
```

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

```
.border{ border-color:rgb(83, 129, 220) }
```

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

Here you see how a box with a 4 pixel rgb(83, 129, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 129, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 129, 220);  
box-shadow:4px 4px 4px 4px rgb(83, 129,  
220) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.7068, 0.2065, 0.1927$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 129, 220) }
```

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

```
.background{ background-color: rgb(83, 129,  
220) }
```

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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