

Converting Colors

$Y_{xy}(22.9926, 0.2161, 0.1878)$

Have a look what the booklet for
Yxy(22.9926, 0.2161, 0.1878)
contains.

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Color

Yxy(22.9982, 0.2164, 0.1880)

Conversions

Conversions Part 1

Format	Color
Hex	697DDF
RGB	105, 125, 223
RGB Percent	41%, 49%, 87%
CMY	0.5885, 0.5097, 0.1255
CMYK	0.53, 0.44, 0.00, 0.13
HSL	230°, 65%, 64%
HSV	230°, 53%, 87%
XYZ	26.4724, 22.9982, 72.8603
YIQ	130.1920, -43.3780, 26.2380

Conversions

Conversions Part 2

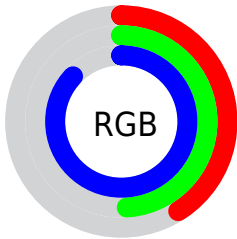
Format	Color
R _Y B	105, 122, 223
Decimal	6913503
CIE Lab	55.07, 20.19, -52.40
CIE LCh	55, 56.154, 291.073
Yxy	22.9982, 0.2164, 0.1880
Android (android.graphics.Color)	4285103583 (0xFF697DDF)
YUV	130.1920, 45.7543, -22.0934
Hunter-Lab	47.9564, 14.6099, -56.5098

Details

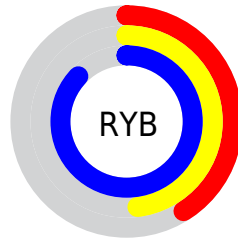
The Yxy color **22.9982, 0.2164, 0.1880** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **59.3790, 0.4004, 0.4378**, and the grayscale version is **22.2374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4508, 0.2490, 0.2366**, and **8.5900, 0.1862, 0.1511** is the 20% darker color. If you saturate the color by 10%, you get **17.5642, 0.1976, 0.1573**, and if you desaturate by 10%, it is **29.6606, 0.2362, 0.2189**.

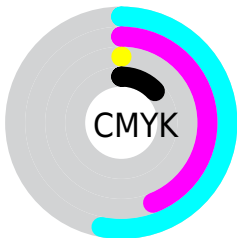
Distribution



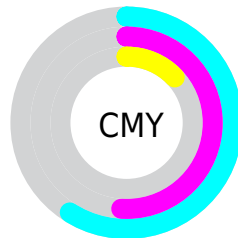
- Red (41%)
- Green (49%)
- Blue (87%)



- Red (41%)
- Yellow (48%)
- Blue (87%)



- Cyan (53%)
- Magenta (44%)
- Yellow (0%)
- Black (13%)



- Cyan (59%)
- Magenta (51%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9982, 0.2164, 0.1880 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 22.9982, 0.2164, 0.1880 by changing the saturation by 10% instead.

■ 22.9982, 0.2164,
0.1880

■ 22.9982, 0.2164,
0.1880

267.7157, 0.2680,
0.2588

■ 14.5922, 0.2030,
0.1711

■ 48.3904, 0.2357,
0.2133

■ 8.5337, 0.1858,
0.1503

■ 66.1453, 0.2428,
0.2230

■ 4.4383, 0.1633,
0.1242

■ 87.7853, 0.2487,
0.2312

■ 1.9216, 0.1332,
0.0919

■ 113.6949, 0.2538,
0.2383

■ 0.5613, 0.0936,
0.0505

144.2583, 0.2581,
0.2444

■ 0.0000, 0.0000,
0.0000

179.8600, 0.2619,

0.2498

220.8843, 0.2651,
0.2545

■ 22.9982, 0.2164,
0.1880

■ 22.9982, 0.2164,
0.1880

■ 17.5642, 0.1976,
0.1573

■ 29.6606, 0.2362,
0.2189

■ 13.2795, 0.1808,
0.1285

■ 37.6191, 0.2559,
0.2485

■ 10.0588, 0.1674,
0.1034


■ 46.9392, 0.2747,
0.2760


■ 7.8030, 0.1581,
0.0838


■ 57.6813, 0.2923,
0.3009

■ 6.7109, 0.1538,
0.0737

■ 69.9020, 0.3083,
0.3230

 83.6548, 0.3227,
0.3424

 97.8286, 0.3316,
0.3597

 98.1081, 0.3315,
0.3601

Harmonies

Analogous

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



22.9982, 0.1673, 0.1919



22.9982, 0.2164, 0.1880



22.9982, 0.2989, 0.2108

Triad

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



22.9982, 0.2164, 0.1880



22.9982, 0.5054, 0.3834



22.9982, 0.2180, 0.4176

Complementary

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



22.9982, 0.2164, 0.1880



59.3790, 0.4004, 0.4378

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.



22.9982, 0.3007, 0.5020



22.9982, 0.2164, 0.1880



22.9982, 0.4673, 0.4520

Square

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



22.9982, 0.2164, 0.1880



22.9982, 0.4829, 0.3164



22.9982, 0.3915, 0.5053



22.9982, 0.1660, 0.3066

Rectangle

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



22.9982, 0.2164, 0.1880



22.9982, 0.3669, 0.2389



22.9982, 0.3915, 0.5053



22.9982, 0.2430, 0.4528

Sweetspot

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



22.9990, 0.2164, 0.1880



73.3344, 0.2869, 0.2933



60.0118, 0.2553, 0.3580



15.0436, 0.2833, 0.2882



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.



22.9990, 0.2164, 0.1880



22.8147, 0.1948, 0.1527



21.1954, 0.2402, 0.1722



13.6183, 0.2981, 0.3089



4.0581, 0.1543, 0.0755



0.3961, 0.1614, 0.1011

Inverse Universe

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



27.2585, 0.4400, 0.3061



30.2253, 0.4863, 0.3036



64.1884, 0.3598, 0.4705



13.7384, 0.3265, 0.3250



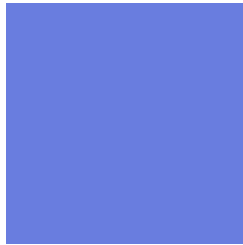
9.3177, 0.6142, 0.3157



0.6574, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 22.9982, 0.2164, 0.1880 looks on a white background.

Color Contrast Check

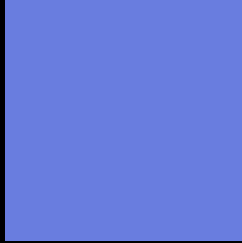
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9982, 0.2164, 0.1880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

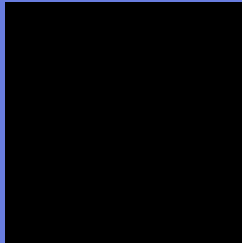
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9982, 0.2164, 0.1880

Background



This preview shows how black text looks on a background with the Yxy color 22.9982, 0.2164, 0.1880.



This preview shows how white text looks on a background with the Yxy color 22.9982, 0.2164, 0.1880.

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

22.9982, 0.2164, 0.1880

Protanopia

23.0040, 0.2062, 0.1862

Deuteranopia

22.9882, 0.2008, 0.1943



Tritanopia

23.0661, 0.2484, 0.3082

Trichromacy



Original Color

22.9982, 0.2164, 0.1880

Protanomaly

22.9947, 0.2095, 0.1868

Deuteranomaly

22.7683, 0.2052, 0.1905

Tritanomaly

22.7160, 0.2349, 0.2551

Monochromacy



Original Color

22.9982, 0.2164, 0.1880

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.1836, 0.2697, 0.2682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9982, 0.2164, 0.1880 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(105, 125, 223)` looks like.

```
.text, #text, p{  
    color:rgb(105, 125, 223)  
}
```

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(105, 125, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 125, 223) }
```

Border

The CSS property to change the border of an element to Yxy 22.9982, 0.2164, 0.1880 is called "border". The border property can be set on classes, ids or directly on the HTML element.

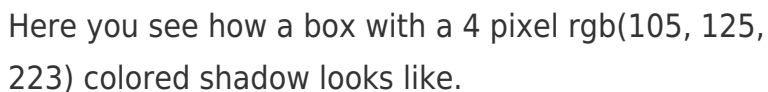
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 125, 223) }
```

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

```
.border{ border-color:rgb(105, 125, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 125, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 125, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 125, 223); box-shadow:4px 4px 4px 4px rgb(105, 125, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9982, 0.2164, 0.1880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 125, 223) }
```

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

```
.background{ background-color: rgb(105,  
125, 223) }
```

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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