

Converting Colors

$Yxy(22.9157, 0.2132, 0.1997)$

Have a look what the booklet for
Yxy(22.9157, 0.2132, 0.1997)
contains.

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Color

$Y_{xy}(22.8310, 0.2130, 0.1991)$

Conversions

Conversions Part 1

Format	Color
Hex	5B81D7
RGB	91, 129, 215
RGB Percent	36%, 51%, 84%
CMY	0.6435, 0.4941, 0.1568
CMYK	0.58, 0.40, 0.00, 0.16
HSL	222°, 61%, 60%
HSV	222°, 58%, 84%
XYZ	24.4249, 22.8310, 67.4151
YIQ	127.4420, -50.2540, 18.6900

Conversions

Conversions Part 2

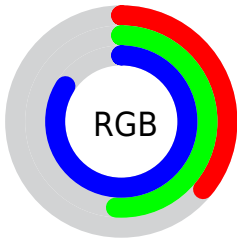
Format	Color
R_{YB}	91, 120, 215
Decimal	5997015
CIE _{Lab}	54.90, 12.29, -48.22
CIE _{LCh}	55, 49.766, 284.297
Yxy	22.8310, 0.2130, 0.1991
Android (android.graphics.Color)	4284187095 (0xFF5B81D7)
YUV	127.4420, 43.1661, -31.9596
Hunter-Lab	47.7818, 7.6268, -50.2047

Details

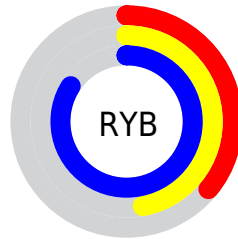
The Yxy color **22.8310, 0.2130, 0.1991** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **46.6119, 0.4197, 0.4288**, and the grayscale version is **21.2400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0655, 0.2414, 0.2408**, and **8.4040, 0.1811, 0.1608** is the 20% darker color. If you saturate the color by 10%, you get **18.2484, 0.1965, 0.1726**, and if you desaturate by 10%, it is **28.3004, 0.2308, 0.2255**.

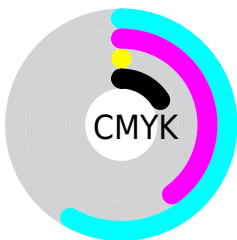
Distribution



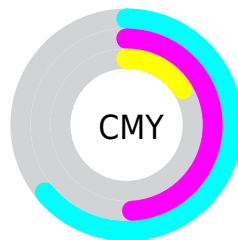
- Red (36%)
- Green (51%)
- Blue (84%)



- Red (36%)
- Yellow (47%)
- Blue (84%)



- Cyan (58%)
- Magenta (40%)
- Yellow (0%)
- Black (16%)



- Cyan (64%)
- Magenta (49%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8310, 0.2130, 0.1991 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 22.8310, 0.2130, 0.1991 by changing the saturation by 10% instead.

■ 22.8310, 0.2130,
0.1991

■ 22.8310, 0.2130,
0.1991

266.8558, 0.2662,
0.2657

■ 14.4688, 0.1992,
0.1827

■ 48.1157, 0.2329,
0.2233

■ 8.4474, 0.1814,
0.1621

■ 65.8069, 0.2402,
0.2325

■ 4.3826, 0.1580,
0.1358

■ 87.3766, 0.2463,
0.2402

■ 1.8898, 0.1268,
0.1024

■ 113.2092, 0.2515,
0.2468

■ 0.5422, 0.0858,
0.0571

143.6890, 0.2560,
0.2525

■ 0.0000, 0.0000,
0.0000

179.2004, 0.2599,

0.2575

220.1279, 0.2633,
0.2619

■ 22.8310, 0.2130,
0.1991

■ 22.8310, 0.2130,
0.1991

■ 18.2484, 0.1965,
0.1726

■ 28.3004, 0.2308,
0.2255

■ 14.4980, 0.1822,
0.1470

■ 34.7018, 0.2491,
0.2509

■ 11.5219, 0.1708,
0.1238

■ 42.0798, 0.2671,
0.2745

■ 9.2463, 0.1626,
0.1038

■ 50.4751, 0.2845,
0.2961

■ 8.8044, 0.1611,
0.0997

■ 59.9262, 0.3009,
0.3155

70.4694, 0.3161,
0.3328

82.1393, 0.3300,
0.3479

93.4341, 0.3373,
0.3617

97.6868, 0.3363,
0.3681

Harmonies

Analogous

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



22.8310, 0.1742, 0.2098



22.8310, 0.2130, 0.1991



22.8310, 0.2819, 0.2147

Triad

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



22.8310, 0.2130, 0.1991



22.8310, 0.4860, 0.3674



22.8310, 0.2438, 0.4279

Complementary

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



22.8310, 0.2130, 0.1991



46.6119, 0.4197, 0.4288

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.



22.8310, 0.3229, 0.4880



22.8310, 0.2130, 0.1991



22.8310, 0.4650, 0.4298

Square

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



22.8310, 0.2130, 0.1991



22.8310, 0.4515, 0.3060



22.8310, 0.4036, 0.4803



22.8310, 0.1881, 0.3312

Rectangle

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



22.8310, 0.2130, 0.1991



22.8310, 0.3407, 0.2377



22.8310, 0.4036, 0.4803



22.8310, 0.2686, 0.4549

Sweetspot

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



22.8318, 0.2130, 0.1991



74.9934, 0.2854, 0.2972



53.9488, 0.2605, 0.3859



15.4851, 0.2820, 0.2931



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.



22.8318, 0.2130, 0.1991



25.6784, 0.1935, 0.1674



15.9305, 0.2181, 0.1517



12.6244, 0.2982, 0.3124



5.4312, 0.1618, 0.1024



0.4728, 0.1715, 0.1373

Inverse Universe

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



23.5023, 0.4322, 0.2843



28.5545, 0.4732, 0.2799



60.5998, 0.3760, 0.4748



12.4830, 0.3243, 0.3219



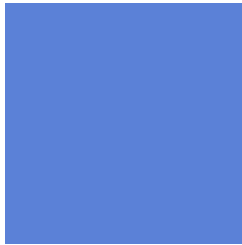
8.8931, 0.5723, 0.2927



0.5511, 0.5227, 0.2653

Previews

White Background



This preview shows how the Yxy color 22.8310, 0.2130, 0.1991 looks on a white background.

Color Contrast Check

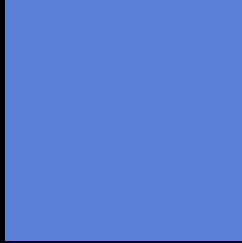
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8310, 0.2130, 0.1991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

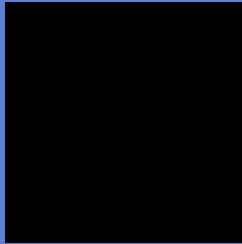
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8310, 0.2130, 0.1991

Background



This preview shows how black text looks on a background with the Yxy color 22.8310, 0.2130, 0.1991.

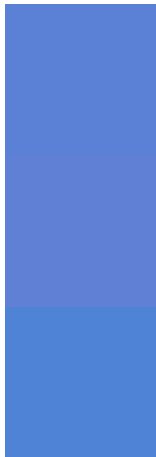


This preview shows how white text looks on a background with the Yxy color 22.8310, 0.2130, 0.1991.

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

22.8310, 0.2130, 0.1991

Protanopia

22.7802, 0.2162, 0.1995

Deuteranopia

22.7073, 0.2073, 0.2012



Tritanopia

22.8373, 0.2379, 0.3060

Trichromacy



Original Color

22.8310, 0.2130, 0.1991

Protanomaly

22.6731, 0.2150, 0.1991

Deuteranomaly

22.6593, 0.2095, 0.2004

Tritanomaly

22.5218, 0.2273, 0.2601

Monochromacy



Original Color

22.8310, 0.2130, 0.1991

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.5190, 0.2672, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8310, 0.2130, 0.1991 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(91, 129, 215)` looks like.

```
.text, #text, p{  
    color:rgb(91, 129, 215)  
}
```

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(91, 129, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 129, 215) }
```

Border

The CSS property to change the border of an element to Yxy 22.8310, 0.2130, 0.1991 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(91, 129, 215) }
```

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

```
.border{ border-color:rgb(91, 129, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 129, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 129, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 129, 215);  
box-shadow:4px 4px 4px 4px rgb(91, 129,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8310, 0.2130, 0.1991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 129, 215) }
```

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

```
.background{ background-color: rgb(91, 129,  
215) }
```

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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