

Converting Colors

$Y_{xy}(21.9433, 0.2113, 0.1932)$

Have a look what the booklet for
Yxy(21.9433, 0.2113, 0.1932)
contains.

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Color

Yxy(22.0532, 0.2110, 0.1933)

Conversions

Conversions Part 1

Format	Color
Hex	5A7ED8
RGB	90, 126, 216
RGB Percent	35%, 49%, 85%
CMY	0.6471, 0.5059, 0.1529
CMYK	0.58, 0.42, 0.00, 0.15
HSL	223°, 62%, 60%
HSV	223°, 58%, 85%
XYZ	24.0726, 22.0532, 67.9622
YIQ	125.4960, -50.3460, 20.3580

Conversions

Conversions Part 2

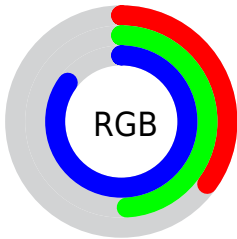
Format	Color
R _Y B	90, 118, 216
Decimal	5930712
CIE Lab	54.08, 14.26, -50.09
CIE LCh	54, 52.080, 285.896
Yxy	22.0532, 0.2110, 0.1933
Android (android.graphics.Color)	4284120792 (0xFF5A7ED8)
YUV	125.4960, 44.6185, -31.1300
Hunter-Lab	46.9608, 9.3193, -52.9325

Details

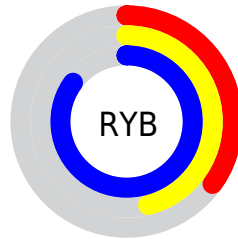
The Yxy color **22.0532, 0.2110, 0.1933** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **47.9854, 0.4190, 0.4325**, and the grayscale version is **20.5436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4504, 0.2405, 0.2358**, and **8.1153, 0.1787, 0.1553** is the 20% darker color. If you saturate the color by 10%, you get **17.4772, 0.1944, 0.1661**, and if you desaturate by 10%, it is **27.5539, 0.2290, 0.2205**.

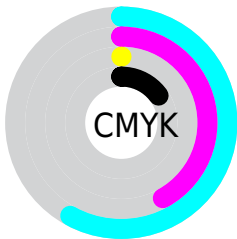
Distribution



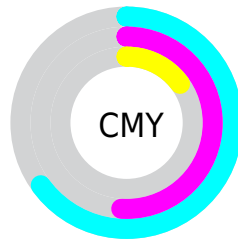
- Red (35%)
- Green (49%)
- Blue (85%)



- Red (35%)
- Yellow (46%)
- Blue (85%)



- Cyan (58%)
- Magenta (42%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (51%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0532, 0.2110, 0.1933 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 22.0532, 0.2110, 0.1933 by changing the saturation by 10% instead.

■ 22.0532, 0.2110,
0.1933

■ 22.0532, 0.2110,
0.1933

262.8240, 0.2655,
0.2627

■ 13.8960, 0.1968,
0.1763

■ 46.8339, 0.2314,
0.2185

■ 8.0484, 0.1786,
0.1551

■ 64.2262, 0.2389,
0.2280

■ 4.1259, 0.1547,
0.1283

■ 85.4656, 0.2452,
0.2360

■ 1.7442, 0.1230,
0.0946

■ 110.9366, 0.2505,
0.2429

■ 0.4521, 0.0818,
0.0476

141.0236, 0.2551,
0.2489

■ 0.0000, 0.0000,
0.0000

176.1108, 0.2590,

0.2541

216.5828, 0.2625,
0.2587

■ 22.0532, 0.2110,
0.1933

■ 22.0532, 0.2110,
0.1933

■ 17.4772, 0.1944,
0.1661

■ 27.5539, 0.2290,
0.2205

■ 13.7679, 0.1800,
0.1403

■ 34.0279, 0.2475,
0.2467

■ 10.8629, 0.1687,
0.1171

■ 41.5228, 0.2658,
0.2713

■ 8.6804, 0.1608,
0.0977

■ 50.0822, 0.2834,
0.2938

■ 8.3731, 0.1597,
0.0948

■ 59.7470, 0.2999,
0.3139

■ 70.5560, 0.3152,
0.3318

■ 82.5459, 0.3291,
0.3476

■ 94.2409, 0.3365,
0.3619

■ 97.7386, 0.3357,
0.3671

Harmonies

Analogous

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



22.0532, 0.1691, 0.2024



22.0532, 0.2110, 0.1933



22.0532, 0.2845, 0.2109

Triad

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



22.0532, 0.2110, 0.1933



22.0532, 0.4957, 0.3712



22.0532, 0.2357, 0.4293

Complementary

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



22.0532, 0.2110, 0.1933



47.9854, 0.4190, 0.4325

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.



22.0532, 0.3176, 0.4968



22.0532, 0.2110, 0.1933



22.0532, 0.4696, 0.4367

Square

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



22.0532, 0.2110, 0.1933



22.0532, 0.4630, 0.3074



22.0532, 0.4029, 0.4901



22.0532, 0.1795, 0.3254

Rectangle

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



22.0532, 0.2110, 0.1933



22.0532, 0.3472, 0.2356



22.0532, 0.4029, 0.4901



22.0532, 0.2611, 0.4592

Sweetspot

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



22.0539, 0.2110, 0.1933



73.1462, 0.2837, 0.2941



54.5147, 0.2591, 0.3835



14.8359, 0.2786, 0.2878



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.



22.0539, 0.2110, 0.1933



24.0850, 0.1908, 0.1600



15.9287, 0.2186, 0.1504



12.5808, 0.2982, 0.3119



5.1156, 0.1604, 0.0974



0.4494, 0.1700, 0.1320

Inverse Universe

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



23.4191, 0.4384, 0.2872



28.0434, 0.4825, 0.2835



60.9084, 0.3748, 0.4771



12.4786, 0.3247, 0.3224



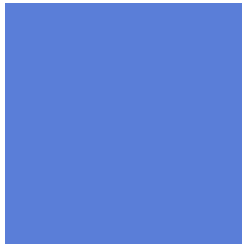
8.8613, 0.5798, 0.2968



0.5487, 0.5299, 0.2693

Previews

White Background



This preview shows how the Yxy color 22.0532, 0.2110, 0.1933 looks on a white background.

Color Contrast Check

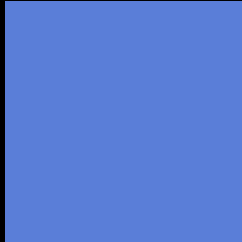
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0532, 0.2110, 0.1933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

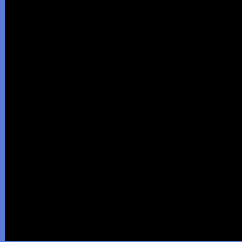
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0532, 0.2110, 0.1933

Background



This preview shows how black text looks on a background with the Yxy color 22.0532, 0.2110, 0.1933.



This preview shows how white text looks on a background with the Yxy color 22.0532, 0.2110, 0.1933.

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

22.0532, 0.2110, 0.1933

Protanopia

22.1037, 0.2116, 0.1935

Deuteranopia

22.1737, 0.2028, 0.1974



Tritanopia

22.0473, 0.2373, 0.3075

Trichromacy



Original Color

22.0532, 0.2110, 0.1933

Protanomaly

22.1037, 0.2116, 0.1935

Deuteranomaly

22.1846, 0.2056, 0.1968

Tritanomaly

21.8396, 0.2259, 0.2577

Monochromacy



Original Color

22.0532, 0.2110, 0.1933

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5806, 0.2655, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0532, 0.2110, 0.1933 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(90, 126, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 126, 216)  
}
```

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(90, 126, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 126, 216) }
```

Border

The CSS property to change the border of an element to Yxy 22.0532, 0.2110, 0.1933 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(90, 126, 216) }
```

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

```
.border{ border-color:rgb(90, 126, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 126, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 126, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 126, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 126,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0532, 0.2110, 0.1933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 126, 216) }
```

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

```
.background{ background-color: rgb(90, 126,  
216) }
```

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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