

Converting Colors

$Y_{xy}(23.2222, 0.2267, 0.2048)$

Have a look what the booklet for
Yxy(23.2222, 0.2267, 0.2048)
contains.

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Color

Yxy(23.1969, 0.2267, 0.2040)

Conversions

Conversions Part 1

Format	Color
Hex	6E7FD3
RGB	110, 127, 211
RGB Percent	43%, 50%, 83%
CMY	0.5685, 0.5020, 0.1726
CMYK	0.48, 0.40, 0.00, 0.17
HSL	230°, 53%, 63%
HSV	230°, 48%, 83%
XYZ	25.7781, 23.1969, 64.7353
YIQ	131.4930, -37.0960, 22.5200

Conversions

Conversions Part 2

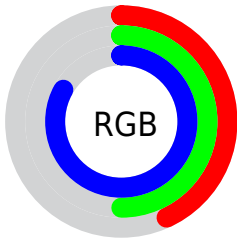
Format	Color
R_{YB}	110, 125, 211
Decimal	7241683
CIE _{Lab}	55.27, 16.43, -45.29
CIE _{LCh}	55, 48.175, 289.942
Yxy	23.1969, 0.2267, 0.2040
Android (android.graphics.Color)	4285431763 (0xFF6E7FD3)
YUV	131.4930, 39.1970, -18.8494
Hunter-Lab	48.1632, 11.2521, -45.9765

Details

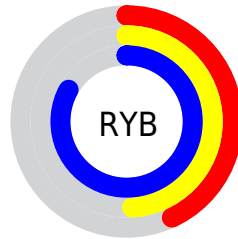
The Yxy color **23.1969, 0.2267, 0.2040** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **53.5620, 0.3916, 0.4283**, and the grayscale version is **22.7516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9695, 0.2514, 0.2407**, and **8.5791, 0.1977, 0.1673** is the 20% darker color. If you saturate the color by 10%, you get **17.8558, 0.2073, 0.1731**, and if you desaturate by 10%, it is **29.6516, 0.2465, 0.2343**.

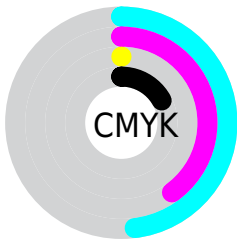
Distribution



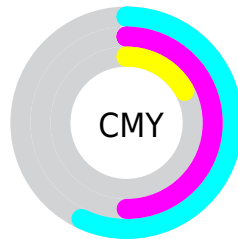
- Red (43%)
- Green (50%)
- Blue (83%)



- Red (43%)
- Yellow (49%)
- Blue (83%)



- Cyan (48%)
- Magenta (40%)
- Yellow (0%)
- Black (17%)



- Cyan (57%)
- Magenta (50%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1969, 0.2267, 0.2040 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 23.1969, 0.2267, 0.2040 by changing the saturation by 10% instead.

■ 23.1969, 0.2267,
0.2040

■ 23.1969, 0.2267,
0.2040

■ 268.7347, 0.2732,
0.2680

■ 14.7390, 0.2144,
0.1882

■ 48.7164, 0.2442,
0.2273

■ 8.6364, 0.1983,
0.1682

■ 66.5468, 0.2506,
0.2360

■ 4.5048, 0.1767,
0.1427

■ 88.2702, 0.2560,
0.2434

■ 1.9597, 0.1471,
0.1096

■ 114.2708, 0.2605,
0.2498

■ 0.5839, 0.1063,
0.0646

■ 144.9332, 0.2644,
0.2553

■ 0.0000, 0.0000,
0.0000

180.6417, 0.2677,

0.2600

221.7808, 0.2706,
0.2642

■ 23.1969, 0.2267,
0.2040

■ 23.1969, 0.2267,
0.2040

■ 17.8558, 0.2073,
0.1731

■ 29.6516, 0.2465,
0.2343

■ 13.5615, 0.1893,
0.1431

■ 37.2763, 0.2658,
0.2629

■ 10.2440, 0.1740,
0.1159

■ 46.1266, 0.2840,
0.2891

■ 7.8229, 0.1625,
0.0933

■ 56.2536, 0.3007,
0.3125

■ 6.1985, 0.1551,
0.0766

■ 67.7058, 0.3158,
0.3332

■ 5.9320, 0.1538,
0.0738

■ 80.5287, 0.3294,
0.3513

■ 94.2471, 0.3396,
0.3673

■ 97.4823, 0.3388,
0.3721

Harmonies

Analogous

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



23.1969, 0.1832, 0.2095



23.1969, 0.2267, 0.2040



23.1969, 0.2985, 0.2235

Triad

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



23.1969, 0.2267, 0.2040



23.1969, 0.4801, 0.3786



23.1969, 0.2341, 0.4074

Complementary

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



23.1969, 0.2267, 0.2040



53.5620, 0.3916, 0.4283

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.



23.1969, 0.3080, 0.4756



23.1969, 0.2267, 0.2040



23.1969, 0.4515, 0.4381

Square

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



23.1969, 0.2267, 0.2040



23.1969, 0.4567, 0.3181



23.1969, 0.3875, 0.4807



23.1969, 0.1855, 0.3149

Rectangle

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



23.1969, 0.2267, 0.2040



23.1969, 0.3566, 0.2484



23.1969, 0.3875, 0.4807



23.1969, 0.2567, 0.4357

Sweetspot

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



23.1977, 0.2267, 0.2040



76.3401, 0.2903, 0.2981



53.7239, 0.2594, 0.3547



15.6364, 0.2866, 0.2928



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.



23.1977, 0.2267, 0.2040



27.5859, 0.2077, 0.1738



21.6109, 0.2491, 0.1889



11.7343, 0.2982, 0.3091



3.6828, 0.1544, 0.0756



0.3076, 0.1629, 0.1063

Inverse Universe

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



26.5367, 0.4213, 0.3082



34.0600, 0.4577, 0.3052



57.2920, 0.3563, 0.4567



11.8402, 0.3264, 0.3251



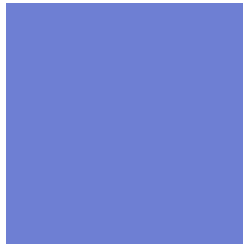
8.4430, 0.6140, 0.3156



0.4823, 0.5664, 0.2894

Previews

White Background



This preview shows how the Yxy color 23.1969, 0.2267, 0.2040 looks on a white background.

Color Contrast Check

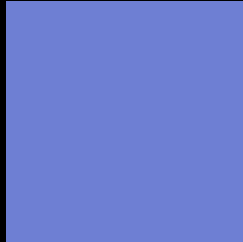
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1969, 0.2267, 0.2040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

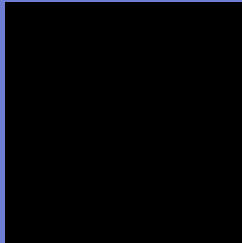
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1969, 0.2267, 0.2040

Background



This preview shows how black text looks on a background with the Yxy color 23.1969, 0.2267, 0.2040.

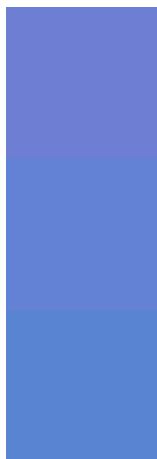


This preview shows how white text looks on a background with the Yxy color 23.1969, 0.2267, 0.2040.

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

23.1969, 0.2267, 0.2040

Protanopia

23.1573, 0.2188, 0.2027

Deuteranopia

23.2304, 0.2147, 0.2087



Tritanopia

23.2658, 0.2570, 0.3086

Trichromacy



Original Color

23.1969, 0.2267, 0.2040

Protanomaly

23.0754, 0.2216, 0.2030

Deuteranomaly

23.1052, 0.2188, 0.2069

Tritanomaly

22.9977, 0.2449, 0.2637

Monochromacy



Original Color

23.1969, 0.2267, 0.2040

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.7143, 0.2755, 0.2781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1969, 0.2267, 0.2040 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(110, 127, 211)` looks like.

```
.text, #text, p{  
    color:rgb(110, 127, 211)  
}
```

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(110, 127, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 127, 211) }
```

Border

The CSS property to change the border of an element to Yxy 23.1969, 0.2267, 0.2040 is called "border". The border property can be set on classes, ids or directly on the HTML element.

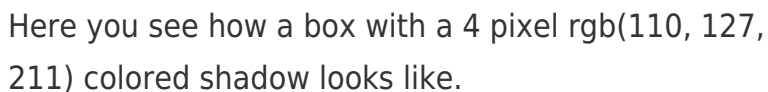
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 127, 211) }
```

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

```
.border{ border-color:rgb(110, 127, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 127, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 127, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 127, 211); box-shadow:4px 4px 4px 4px rgb(110, 127, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1969, 0.2267, 0.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 127, 211) }
```

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

```
.background{ background-color: rgb(110,  
127, 211) }
```

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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