

Converting Colors

$Y_{xy}(23.0630, 0.2210, 0.2061)$

Have a look what the booklet for
Yxy(23.0630, 0.2210, 0.2061)
contains.

Yxy(23.0630, 0.2210, 0.2061)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.0630, 0.2210, 0.2061)

Conversions

Conversions Part 1

Format	Color
Hex	6481D2
RGB	100, 129, 210
RGB Percent	39%, 51%, 82%
CMY	0.6081, 0.4940, 0.1765
CMYK	0.52, 0.39, 0.00, 0.18
HSL	224°, 55%, 61%
HSV	224°, 52%, 82%
XYZ	24.7303, 23.0630, 64.1086
YIQ	129.5630, -43.2850, 19.0430

Conversions

Conversions Part 2

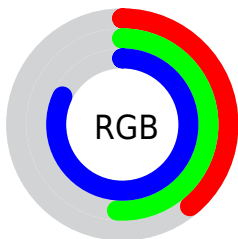
Format	Color
RYB	100, 123, 210
Decimal	6586834
CIELab	55.14, 12.58, -44.98
CIELCh	55, 46.704, 285.623
Yxy	23.0630, 0.2210, 0.2061
Android (android.graphics.Color)	4284776914 (0xFF6481D2)
YUV	129.5630, 39.6554, -25.9268
Hunter-Lab	48.0240, 7.8782, -45.5313

Details

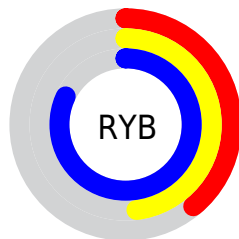
The Yxy color **23.0630, 0.2210, 0.2061** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **47.6192, 0.4057, 0.4258**, and the grayscale version is **22.0261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8440, 0.2461, 0.2419**, and **8.5352, 0.1913, 0.1697** is the 20% darker color. If you saturate the color by 10%, you get **18.2505, 0.2032, 0.1781**, and if you desaturate by 10%, it is **28.8007, 0.2396, 0.2336**.

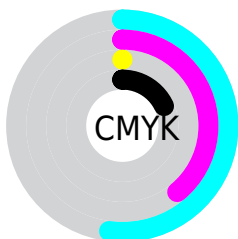
Distribution



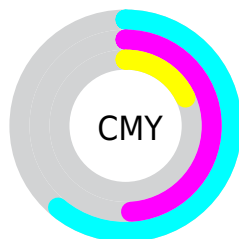
- Red (39%)
- Green (51%)
- Blue (82%)



- Red (39%)
- Yellow (48%)
- Blue (82%)



- Cyan (52%)
- Magenta (39%)
- Yellow (0%)
- Black (18%)



- Cyan (61%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0630, 0.2210, 0.2061 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 23.0630, 0.2210, 0.2061 by changing the saturation by 10% instead.

■ 23.0630, 0.2210,
0.2061

■ 23.0630, 0.2210,
0.2061

268.0484, 0.2703,
0.2695

■ 14.6400, 0.2080,
0.1903

■ 48.4968, 0.2395,
0.2293

■ 8.5671, 0.1912,
0.1703

■ 66.2763, 0.2463,
0.2380

■ 4.4599, 0.1687,
0.1445

■ 87.9436, 0.2520,
0.2453

■ 1.9340, 0.1381,
0.1111

■ 113.8828, 0.2568,
0.2515

■ 0.5687, 0.0967,
0.0649

144.4786, 0.2609,
0.2569

■ 0.0000, 0.0000,
0.0000

180.1152, 0.2644,

0.2617

221.1770, 0.2676,
0.2658

■ 23.0630, 0.2210,
0.2061

■ 23.0630, 0.2210,
0.2061

■ 18.2505, 0.2032,
0.1781

■ 28.8007, 0.2396,
0.2336

■ 14.3092, 0.1872,
0.1509

■ 35.5087, 0.2583,
0.2596

■ 11.1822, 0.1738,
0.1257

■ 43.2319, 0.2763,
0.2836

■ 8.8041, 0.1639,
0.1041

■ 52.0113, 0.2933,
0.3053

■ 7.4337, 0.1585,
0.0905

■ 61.8859, 0.3091,
0.3247

■ 72.8925, 0.3235,
0.3417

■ 85.0662, 0.3366,
0.3567

■ 95.9086, 0.3398,
0.3708

■ 97.4322, 0.3394,
0.3731

Harmonies

Analogous

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



23.0630, 0.1825, 0.2155



23.0630, 0.2210, 0.2061



23.0630, 0.2875, 0.2219

Triad

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



23.0630, 0.2210, 0.2061



23.0630, 0.4756, 0.3693



23.0630, 0.2456, 0.4172

Complementary

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



23.0630, 0.2210, 0.2061



47.6192, 0.4057, 0.4258

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.



23.0630, 0.3199, 0.4756



23.0630, 0.2210, 0.2061



23.0630, 0.4548, 0.4280

Square

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



23.0630, 0.2210, 0.2061



23.0630, 0.4450, 0.3105



23.0630, 0.3964, 0.4729



23.0630, 0.1936, 0.3279

Rectangle

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



23.0630, 0.2210, 0.2061



23.0630, 0.3431, 0.2445



23.0630, 0.3964, 0.4729



23.0630, 0.2688, 0.4426

Sweetspot

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



23.0638, 0.2210, 0.2061



75.3893, 0.2871, 0.2974



52.1106, 0.2607, 0.3713



15.5280, 0.2835, 0.2929



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.



23.0638, 0.2210, 0.2061



27.4589, 0.2010, 0.1745



18.1583, 0.2332, 0.1712



11.9188, 0.2982, 0.3114



4.6767, 0.1591, 0.0929



0.3932, 0.1693, 0.1295

Inverse Universe

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



24.3848, 0.4222, 0.2934



31.1288, 0.4614, 0.2885



57.2307, 0.3670, 0.4649



11.8588, 0.3250, 0.3229



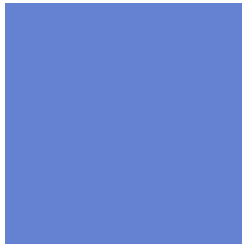
8.5434, 0.5867, 0.3006



0.4910, 0.5333, 0.2712

Previews

White Background



This preview shows how the Yxy color 23.0630, 0.2210, 0.2061 looks on a white background.

Color Contrast Check

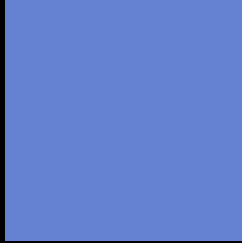
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0630, 0.2210, 0.2061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

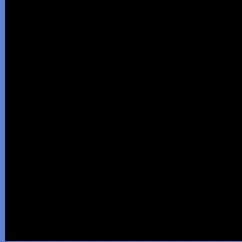
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0630, 0.2210, 0.2061

Background



This preview shows how black text looks on a background with the Yxy color 23.0630, 0.2210, 0.2061.

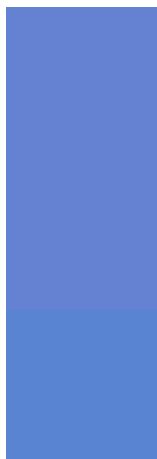


This preview shows how white text looks on a background with the Yxy color 23.0630, 0.2210, 0.2061.

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

23.0630, 0.2210, 0.2061

Protanopia

23.1204, 0.2217, 0.2063

Deuteranopia

23.1807, 0.2152, 0.2098



Tritanopia

23.0222, 0.2477, 0.3082

Trichromacy



Original Color

23.0630, 0.2210, 0.2061

Protanomaly

23.1204, 0.2217, 0.2063

Deuteranomaly

23.1114, 0.2172, 0.2088

Tritanomaly

22.9347, 0.2368, 0.2659

Monochromacy



Original Color

23.0630, 0.2210, 0.2061

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3904, 0.2724, 0.2791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0630, 0.2210, 0.2061 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(100, 129, 210)` looks like.

```
.text, #text, p{  
    color:rgb(100, 129, 210)  
}
```

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(100, 129, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 129, 210) }
```

Border

The CSS property to change the border of an element to Yxy 23.0630, 0.2210, 0.2061 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(100, 129, 210) }
```

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

```
.border{ border-color:rgb(100, 129, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 129, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 129, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 129, 210);  
box-shadow:4px 4px 4px 4px rgb(100, 129,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0630, 0.2210, 0.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 129, 210) }
```

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

```
.background{ background-color: rgb(100,  
129, 210) }
```

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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