

Converting Colors

$Y_{xy}(23.1515, 0.1980, 0.1822)$

Have a look what the booklet for
Yxy(23.1515, 0.1980, 0.1822)
contains.

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Color

Yxy(23.1513, 0.1980, 0.1822)

Conversions

Conversions Part 1

Format	Color
Hex	4982E7
RGB	73, 130, 231
RGB Percent	29%, 51%, 91%
CMY	0.7135, 0.4902, 0.0941
CMYK	0.68, 0.44, 0.00, 0.09
HSL	218°, 77%, 60%
HSV	218°, 68%, 91%
XYZ	25.1589, 23.1513, 78.7551
YIQ	124.4710, -66.3930, 19.3270

Conversions

Conversions Part 2

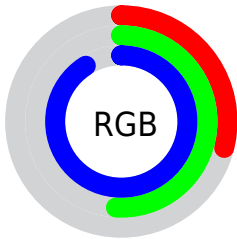
Format	Color
RYB	73, 115, 231
Decimal	4817639
CIELab	55.23, 14.02, -56.72
CIElCh	55, 58.430, 283.883
Yxy	23.1513, 0.1980, 0.1822
Android (android.graphics.Color)	4283007719 (0xFF4982E7)
YUV	124.4710, 52.5188, -45.1401
Hunter-Lab	48.1158, 9.1320, -63.3638

Details

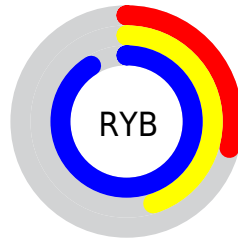
The Yxy color **23.1513, 0.1980, 0.1822** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **47.7807, 0.4482, 0.4342**, and the grayscale version is **20.1645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9943, 0.2346, 0.2393**, and **9.1297, 0.1745, 0.1481** is the 20% darker color. If you saturate the color by 10%, you get **18.7579, 0.1844, 0.1580**, and if you desaturate by 10%, it is **28.4456, 0.2137, 0.2071**.

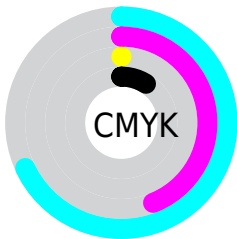
Distribution



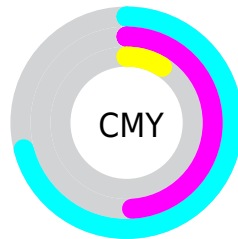
- Red (29%)
- Green (51%)
- Blue (91%)



- Red (29%)
- Yellow (45%)
- Blue (91%)



- Cyan (68%)
- Magenta (44%)
- Yellow (0%)
- Black (9%)





- Cyan (71%)
- Magenta (49%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1513, 0.1980, 0.1822 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 23.1513, 0.1980, 0.1822 by changing the saturation by 10% instead.


 23.1513, 0.1980,
0.1822


 23.1513, 0.1980,
0.1822


268.5012, 0.2581,
0.2558


 14.7053, 0.1830,
0.1648


 48.6416, 0.2200,
0.2084


 8.6128, 0.1641,
0.1436


 66.4547, 0.2283,
0.2184

 4.4895, 0.1401,
0.1173

 88.1590, 0.2352,
0.2270

 1.9510, 0.1093,
0.0854

 114.1388, 0.2412,
0.2344

 0.5788, 0.0713,
0.0462

144.7785, 0.2463,
0.2408

 0.0000, 0.0000,
0.0000

180.4625, 0.2508,

0.2464

221.5753, 0.2547,
0.2514

■ 23.1513, 0.1980,
0.1822

■ 23.1513, 0.1980,
0.1822

■ 18.7579, 0.1844,
0.1580

■ 28.4456, 0.2137,
0.2071

■ 15.2002, 0.1736,
0.1355

■ 34.6943, 0.2308,
0.2317

■ 12.3965, 0.1657,
0.1156

■ 41.9489, 0.2485,
0.2552

■ 11.9964, 0.1646,
0.1126

■ 50.2558, 0.2662,
0.2772

■ 59.6583, 0.2834,
0.2973

■ 70.1972, 0.2998,
0.3154

■ 81.9110, 0.3151,
0.3315

■ 94.2863, 0.3275,
0.3458

■ 98.5504, 0.3268,
0.3522

Harmonies

Analogous

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



23.1513, 0.1560, 0.1932



23.1513, 0.1980, 0.1822



23.1513, 0.2748, 0.1994

Triad

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



23.1513, 0.1980, 0.1822



23.1513, 0.5128, 0.3669



23.1513, 0.2325, 0.4483

Complementary

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



23.1513, 0.1980, 0.1822



47.7807, 0.4482, 0.4342

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.



23.1513, 0.3220, 0.5180



23.1513, 0.1980, 0.1822



23.1513, 0.4858, 0.4379

Square

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



23.1513, 0.1980, 0.1822



23.1513, 0.4736, 0.2996



23.1513, 0.4139, 0.5011



23.1513, 0.1705, 0.3310

Rectangle

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



23.1513, 0.1980, 0.1822



23.1513, 0.3427, 0.2246



23.1513, 0.4139, 0.5011



23.1513, 0.2605, 0.4808

Sweetspot

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



23.1520, 0.1980, 0.1822



71.2805, 0.2788, 0.2920



61.6007, 0.2594, 0.4109



14.5508, 0.2740, 0.2865



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.



23.1520, 0.1980, 0.1822



21.5363, 0.1796, 0.1486



12.9304, 0.1926, 0.1161



14.7331, 0.2981, 0.3135



6.9387, 0.1654, 0.1155



0.6841, 0.1736, 0.1448

Inverse Universe

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



23.3766, 0.4562, 0.2709



24.5930, 0.5032, 0.2709



71.3377, 0.3892, 0.4927



14.4534, 0.3236, 0.3206



9.8982, 0.5531, 0.2820



0.7487, 0.5127, 0.2598

Previews

White Background



This preview shows how the Yxy color 23.1513, 0.1980, 0.1822 looks on a white background.

Color Contrast Check

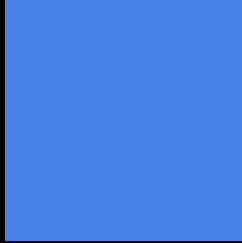
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1513, 0.1980, 0.1822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

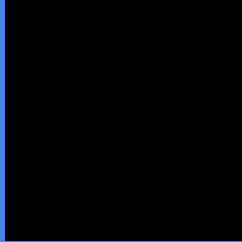
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

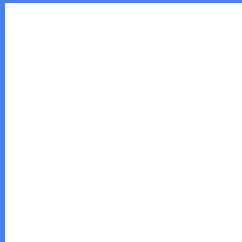
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1513, 0.1980, 0.1822

Background



This preview shows how black text looks on a background with the Yxy color 23.1513, 0.1980, 0.1822.



This preview shows how white text looks on a background with the Yxy color 23.1513, 0.1980, 0.1822.

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

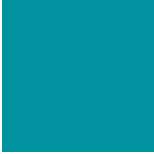
23.1513, 0.1980, 0.1822

Protanopia

23.0739, 0.2040, 0.1831

Deuteranopia

23.1166, 0.1910, 0.1848



Tritanopia

23.0264, 0.2182, 0.3054

Trichromacy



Original Color

23.1513, 0.1980, 0.1822

Protanomaly

23.1630, 0.2015, 0.1828

Deuteranomaly

23.0856, 0.1932, 0.1842

Tritanomaly

22.4920, 0.2057, 0.2490

Monochromacy



Original Color

23.1513, 0.1980, 0.1822

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.5693, 0.2550, 0.2636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1513, 0.1980, 0.1822 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(73, 130, 231)` looks like.

```
.text, #text, p{  
    color:rgb(73, 130, 231)  
}
```

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(73, 130, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 130, 231) }
```

Border

The CSS property to change the border of an element to Yxy 23.1513, 0.1980, 0.1822 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(73, 130, 231) }
```

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

```
.border{ border-color:rgb(73, 130, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 130, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 130, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 130, 231);  
box-shadow:4px 4px 4px 4px rgb(73, 130,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1513, 0.1980, 0.1822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 130, 231) }
```

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

```
.background{ background-color: rgb(73, 130,  
231) }
```

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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