

Converting Colors

$Y_{xy}(23.1815, 0.2111, 0.1517)$

Have a look what the booklet for
Yxy(23.1815, 0.2111, 0.1517)
contains.

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Color

Yxy(23.1683, 0.2113, 0.1516)

Conversions

Conversions Part 1

Format	Color
Hex	7D70FF
RGB	125, 112, 255
RGB Percent	49%, 44%, 100%
CMY	0.5101, 0.5607, 0.0001
CMYK	0.51, 0.56, 0.00, 0.00
HSL	245°, 100%, 72%
HSV	245°, 56%, 100%
XYZ	32.2920, 23.1683, 97.3649
YIQ	132.1890, -38.1550, 47.2290

Conversions

Conversions Part 2

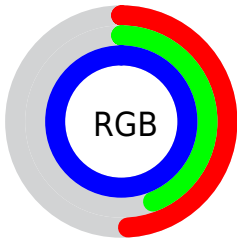
Format	Color
R _Y B	125, 112, 255
Decimal	8220927
CIE Lab	55.25, 41.80, -69.85
CIE LCh	55, 81.398, 300.898
Yxy	23.1683, 0.2113, 0.1516
Android (android.graphics.Color)	4286411007 (0xFF7D70FF)
YUV	132.1890, 60.5458, -6.3048
Hunter-Lab	48.1335, 35.5192, -86.2391

Details

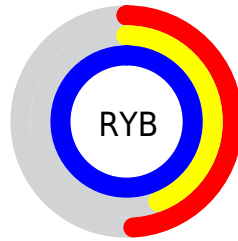
The Yxy color **23.1683, 0.2113, 0.1516** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **91.5727, 0.3844, 0.4673**, and the grayscale version is **22.9326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0852, 0.2621, 0.2251**, and **8.6587, 0.1808, 0.1136** is the 20% darker color. If you saturate the color by 10%, you get **16.7693, 0.1918, 0.1197**, and if you desaturate by 10%, it is **31.5691, 0.2319, 0.1863**.

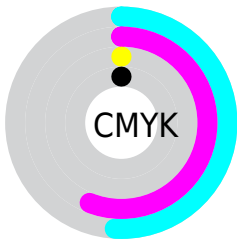
Distribution



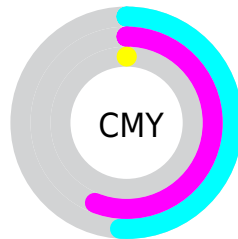
- Red (49%)
- Green (44%)
- Blue (100%)



- Red (49%)
- Yellow (44%)
- Blue (100%)



- Cyan (51%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1683, 0.2113, 0.1516 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 23.1683, 0.2113, 0.1516 by changing the saturation by 10% instead.


 23.1683, 0.2113,
0.1516


 23.1683, 0.2113,
0.1516


268.5882, 0.2655,
0.2344

 14.7178, 0.1977,
0.1339


 48.6695, 0.2312,
0.1797


 8.6216, 0.1807,
0.1130


 66.4891, 0.2387,
0.1909

 4.4952, 0.1589,
0.0887


 88.2004, 0.2450,
0.2006

 1.9542, 0.1310,
0.0612

 114.1880, 0.2503,
0.2091

 0.5807, 0.0959,
0.0309

144.8362, 0.2549,
0.2166

 0.0000, 0.0510,
0.0000

180.5293, 0.2589,

 0.0000, 0.0000,

0.2232

0.0000

221.6519, 0.2624,
0.2291

■ 23.1683, 0.2113,
0.1516

■ 23.1683, 0.2113,
0.1516

■ 16.7693, 0.1918,
0.1197

■ 31.5691, 0.2319,
0.1863

■ 12.2027, 0.1750,
0.0933

■ 42.1178, 0.2523,
0.2213

■ 9.2748, 0.1623,
0.0743

■ 54.9492, 0.2715,
0.2549

■ 7.7464, 0.1542,
0.0637

■ 70.1868, 0.2889,
0.2859

■ 7.4014, 0.1523,
0.0612

■ 87.9447, 0.3043,
0.3137

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



23.1683, 0.1381, 0.1436



23.1683, 0.2113, 0.1516



23.1683, 0.3355, 0.1889

Triad

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



23.1683, 0.2113, 0.1516



23.1683, 0.5584, 0.4084



23.1683, 0.1509, 0.3999

Complementary

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



23.1683, 0.2113, 0.1516



91.5727, 0.3844, 0.4673

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.



23.1683, 0.2436, 0.5649



23.1683, 0.2113, 0.1516



23.1683, 0.4740, 0.5049

Square

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



23.1683, 0.2113, 0.1516



23.1683, 0.5725, 0.3257



23.1683, 0.3604, 0.5882



23.1683, 0.1080, 0.2463

Rectangle

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



23.1683, 0.2113, 0.1516



23.1683, 0.4361, 0.2284



23.1683, 0.3604, 0.5882



23.1683, 0.1768, 0.4622

Sweetspot

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



23.1690, 0.2113, 0.1516



68.6647, 0.2873, 0.2831



74.8103, 0.2390, 0.3148



14.0093, 0.2840, 0.2771



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.



23.1690, 0.2113, 0.1516



16.2690, 0.1901, 0.1170



30.4721, 0.2655, 0.1742



17.4561, 0.2993, 0.3045



3.8942, 0.1529, 0.0616



0.4045, 0.1589, 0.0649

Inverse Universe

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



39.2677, 0.3308, 0.2060



33.8901, 0.3348, 0.1888



81.4061, 0.3367, 0.4930



18.2704, 0.3152, 0.3077



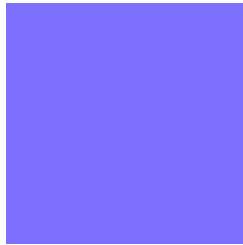
14.1642, 0.3451, 0.1675



1.3871, 0.3420, 0.1658

Previews

White Background



This preview shows how the Yxy color 23.1683, 0.2113, 0.1516 looks on a white background.

Color Contrast Check

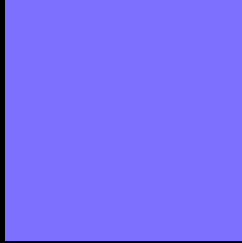
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1683, 0.2113, 0.1516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

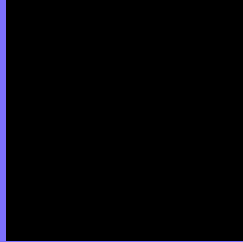
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1683, 0.2113, 0.1516

Background



This preview shows how black text looks on a background with the Yxy color 23.1683, 0.2113, 0.1516.



This preview shows how white text looks on a background with the Yxy color 23.1683, 0.2113, 0.1516.

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

23.1683, 0.2113, 0.1516

Protanopia

23.4991, 0.1844, 0.1581

Deuteranopia

23.3841, 0.1834, 0.1801



Tritanopia

22.9749, 0.2567, 0.3067

Trichromacy



Original Color

23.1683, 0.2113, 0.1516

Protanomaly

22.8884, 0.1909, 0.1538

Deuteranomaly

22.2077, 0.1843, 0.1647

Tritanomaly

22.3177, 0.2361, 0.2317

Monochromacy



Original Color

23.1683, 0.2113, 0.1516

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.5087, 0.2659, 0.2460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1683, 0.2113, 0.1516 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(125, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 112, 255)  
}
```

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(125, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 112, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.1683, 0.2113, 0.1516 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(125, 112, 255) }
```

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

```
.border{ border-color:rgb(125, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 112,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1683, 0.2113, 0.1516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 112, 255) }
```

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

```
.background{ background-color: rgb(125,  
112, 255) }
```

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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