

Converting Colors

$Y_{xy}(23.3509, 0.2200, 0.1501)$

Have a look what the booklet for
Yxy(23.3509, 0.2200, 0.1501)
contains.

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Color

Yxy(23.3108, 0.2205, 0.1506)

Conversions

Conversions Part 1

Format	Color
Hex	8C6BFF
RGB	140, 107, 255
RGB Percent	55%, 42%, 100%
CMY	0.4509, 0.5805, 0.0000
CMYK	0.45, 0.58, 0.00, 0.00
HSL	253°, 100%, 71%
HSV	253°, 58%, 100%
XYZ	34.1304, 23.3108, 97.3450
YIQ	133.7390, -27.8400, 53.0240

Conversions

Conversions Part 2

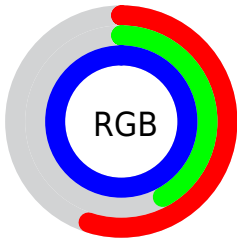
Format	Color
R_{YB}	140, 107, 255
Decimal	9202687
CIE _{Lab}	55.39, 47.67, -69.58
CIE _{LCh}	55, 84.345, 304.414
Yxy	23.3108, 0.2205, 0.1506
Android (android.graphics.Color)	4287392767 (0xFF8C6BFF)
YUV	133.7390, 59.7817, 5.4909
Hunter-Lab	48.2813, 41.6907, -85.7441

Details

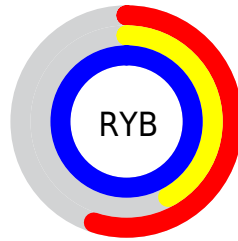
The Yxy color **23.3108, 0.2205, 0.1506** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **88.1047, 0.3726, 0.4790**, and the grayscale version is **23.5221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6410, 0.2730, 0.2238**, and **8.7196, 0.1918, 0.1129** is the 20% darker color. If you saturate the color by 10%, you get **17.1849, 0.2023, 0.1207**, and if you desaturate by 10%, it is **31.3093, 0.2393, 0.1835**.

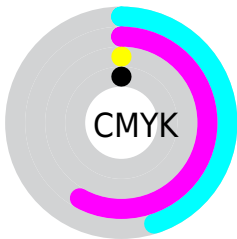
Distribution



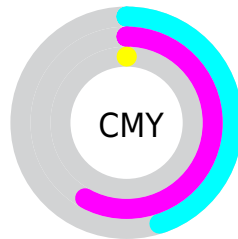
- Red (55%)
- Green (42%)
- Blue (100%)



- Red (55%)
- Yellow (42%)
- Blue (100%)



- Cyan (45%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3108, 0.2205, 0.1506 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 23.3108, 0.2205, 0.1506 by changing the saturation by 10% instead.


 23.3108, 0.2205,
0.1506

 23.3108, 0.2205,
0.1506


269.3173, 0.2705,
0.2333

 14.8232, 0.2078,
0.1330


 48.9032, 0.2391,
0.1785


 8.6954, 0.1916,
0.1123


 66.7767, 0.2460,
0.1897

 4.5430, 0.1708,
0.0883


 88.5476, 0.2517,
0.1994

 1.9817, 0.1437,
0.0612

 114.6003, 0.2567,
0.2079

 0.5968, 0.1089,
0.0312

145.3193, 0.2609,
0.2154

 0.0000, 0.0656,
0.0000

181.0888, 0.2645,

 0.0000, 0.0000,

0.2220

0.0000

222.2934, 0.2677,
0.2280

■ 23.3108, 0.2205,
0.1506

■ 23.3108, 0.2205,
0.1506

■ 17.1849, 0.2023,
0.1207

■ 31.3093, 0.2393,
0.1835

■ 12.7789, 0.1858,
0.0959

■ 41.3271, 0.2575,
0.2171

■ 9.9046, 0.1721,
0.0779

■ 53.4890, 0.2745,
0.2499

■ 8.3135, 0.1621,
0.0673

■ 67.9112, 0.2897,
0.2805

■ 8.0874, 0.1605,
0.0658

■ 84.7015, 0.3032,
0.3086

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.3108, 0.1405, 0.1388



23.3108, 0.2205, 0.1506



23.3108, 0.3537, 0.1918

Triad

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



23.3108, 0.2205, 0.1506



23.3108, 0.5562, 0.4184



23.3108, 0.1384, 0.3795

Complementary

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



23.3108, 0.2205, 0.1506



88.1047, 0.3726, 0.4790

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.



23.3108, 0.2271, 0.5601



23.3108, 0.2205, 0.1506



23.3108, 0.4630, 0.5193

Square

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



23.3108, 0.2205, 0.1506



23.3108, 0.5835, 0.3331



23.3108, 0.3449, 0.6013



23.3108, 0.1013, 0.2300

Rectangle

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



23.3108, 0.2205, 0.1506



23.3108, 0.4578, 0.2336



23.3108, 0.3449, 0.6013



23.3108, 0.1624, 0.4443

Sweetspot

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



23.3087, 0.2205, 0.1506



69.5555, 0.2912, 0.2836



63.0822, 0.2319, 0.2898



14.2170, 0.2883, 0.2777



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.



23.3087, 0.2205, 0.1506



16.1945, 0.1989, 0.1154



31.8868, 0.2809, 0.1764



17.5732, 0.3013, 0.3047



4.2795, 0.1617, 0.0664



0.4625, 0.1721, 0.0722

Inverse Universe

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



37.0434, 0.3514, 0.2182



31.4125, 0.3621, 0.2026



78.9632, 0.3251, 0.5054



18.2269, 0.3172, 0.3107



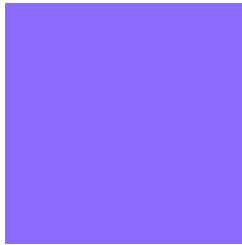
13.2648, 0.3871, 0.1906



1.3078, 0.3780, 0.1856

Previews

White Background



This preview shows how the Yxy color 23.3108, 0.2205, 0.1506 looks on a white background.

Color Contrast Check

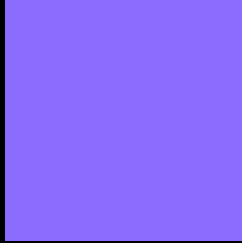
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3108, 0.2205, 0.1506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

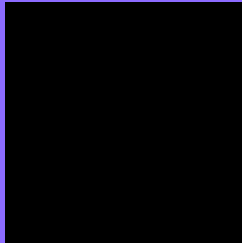
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3108, 0.2205, 0.1506

Background



This preview shows how black text looks on a background with the Yxy color 23.3108, 0.2205, 0.1506.



This preview shows how white text looks on a background with the Yxy color 23.3108, 0.2205, 0.1506.

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

23.3108, 0.2205, 0.1506

Protanopia

23.5282, 0.1847, 0.1582

Deuteranopia

23.4424, 0.1831, 0.1793



Tritanopia

23.1596, 0.2771, 0.3092

Trichromacy



Original Color

23.3108, 0.2205, 0.1506



Protanomaly

22.6792, 0.1928, 0.1524



Deuteranomaly

21.9027, 0.1848, 0.1617



Tritanomaly

22.3500, 0.2521, 0.2327

Monochromacy



Original Color

23.3108, 0.2205, 0.1506



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.8639, 0.2718, 0.2447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3108, 0.2205, 0.1506 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(140, 107, 255)` looks like.

```
.text, #text, p{  
  color:rgb(140, 107, 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(140, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 107, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.3108, 0.2205, 0.1506 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(140, 107, 255) }
```

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

```
.border{ border-color:rgb(140, 107, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 107,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3108, 0.2205, 0.1506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 107, 255) }
```

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

```
.background{ background-color: rgb(140,  
107, 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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