

Converting Colors

$Y_{xy}(23.5468, 0.2515, 0.1814)$

Have a look what the booklet for
Yxy(23.5468, 0.2515, 0.1814)
contains.

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Color

Yxy(23.5022, 0.2515, 0.1816)

Conversions

Conversions Part 1

Format	Color
Hex	9B6EE0
RGB	155, 110, 224
RGB Percent	61%, 43%, 88%
CMY	0.3922, 0.5686, 0.1214
CMYK	0.31, 0.51, 0.00, 0.12
HSL	264°, 65%, 65%
HSV	264°, 51%, 88%
XYZ	32.5485, 23.5022, 73.3667
YIQ	136.4510, -9.7740, 44.9940

Conversions

Conversions Part 2

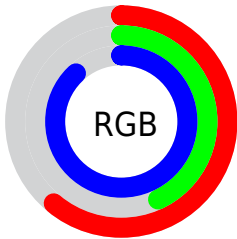
Format	Color
R _Y B	155, 110, 224
Decimal	10186464
CIE Lab	55.59, 41.25, -51.91
CIE LCh	56, 66.308, 308.471
Yxy	23.5022, 0.2515, 0.1816
Android (android.graphics.Color)	4288376544 (0xFF9B6EE0)
YUV	136.4510, 43.1617, 16.2675
Hunter-Lab	48.4791, 35.0052, -55.7923

Details

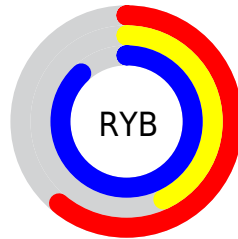
The Yxy color **23.5022, 0.2515, 0.1816** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **64.0472, 0.3517, 0.4685**, and the grayscale version is **24.6360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4114, 0.2825, 0.2297**, and **8.7682, 0.2296, 0.1444** is the 20% darker color. If you saturate the color by 10%, you get **17.9968, 0.2360, 0.1519**, and if you desaturate by 10%, it is **30.3821, 0.2663, 0.2127**.

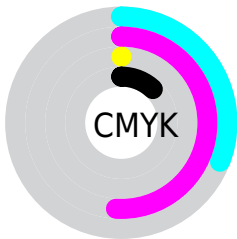
Distribution



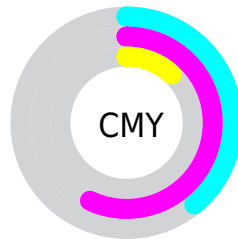
- Red (61%)
- Green (43%)
- Blue (88%)



- Red (61%)
- Yellow (43%)
- Blue (88%)



- Cyan (31%)
- Magenta (51%)
- Yellow (0%)
- Black (12%)





- Cyan (39%)
- Magenta (57%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5022, 0.2515, 0.1816 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 23.5022, 0.2515, 0.1816 by changing the saturation by 10% instead.


 23.5022, 0.2515,
0.1816


 23.5022, 0.2515,
0.1816


270.2940, 0.2861,
0.2533


 14.9648, 0.2419,
0.1650


 49.2166, 0.2649,
0.2068


 8.7947, 0.2292,
0.1447


 67.1624, 0.2697,
0.2166

 4.6075, 0.2119,
0.1198


 89.0131, 0.2736,
0.2249

 2.0189, 0.1875,
0.0892

 115.1531, 0.2770,
0.2321

 0.6184, 0.1522,
0.0511

145.9668, 0.2798,
0.2385

 0.0000, 0.0969,
0.0000

181.8386, 0.2822,

 0.0000, 0.0000,

0.2440

0.0000

223.1529, 0.2843,
0.2489

■ 23.5022, 0.2515,
0.1816

■ 23.5022, 0.2515,
0.1816

■ 17.9968, 0.2360,
0.1519

■ 30.3821, 0.2663,
0.2127

■ 13.7642, 0.2205,
0.1252

■ 38.7227, 0.2799,
0.2437

■ 10.6926, 0.2058,
0.1033

■ 48.6061, 0.2921,
0.2735


■ 8.6480, 0.1926,
0.0874


■ 60.1074, 0.3028,
0.3013

■ 7.4762, 0.1824,
0.0778

■ 73.2968, 0.3120,
0.3268

 88.2401, 0.3198,
0.3498

 97.2186, 0.3277,
0.3594

 98.1637, 0.3309,
0.3591

Harmonies

Analogous

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



23.5022, 0.1753, 0.1680



23.5022, 0.2515, 0.1816



23.5022, 0.3641, 0.2217

Triad

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



23.5022, 0.2515, 0.1816



23.5022, 0.5123, 0.4292



23.5022, 0.1638, 0.3531

Complementary

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



23.5022, 0.2515, 0.1816



64.0472, 0.3517, 0.4685

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.



23.5022, 0.2374, 0.4877



23.5022, 0.2515, 0.1816



23.5022, 0.4370, 0.5063

Square

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



23.5022, 0.2515, 0.1816



23.5022, 0.5342, 0.3525



23.5022, 0.3377, 0.5465



23.5022, 0.1323, 0.2420

Rectangle

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



23.5022, 0.2515, 0.1816



23.5022, 0.4437, 0.2604



23.5022, 0.3377, 0.5465



23.5022, 0.1838, 0.3996

Sweetspot

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



23.5031, 0.2515, 0.1816



73.8453, 0.2985, 0.2899



41.4723, 0.2350, 0.2686



15.1079, 0.2962, 0.2840



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.



23.5031, 0.2515, 0.1816



23.7856, 0.2352, 0.1503



30.3458, 0.3052, 0.2021



13.5057, 0.3042, 0.3052



4.4124, 0.1839, 0.0787



0.3567, 0.2013, 0.0883

Inverse Universe

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



30.2629, 0.3678, 0.2503



34.1485, 0.3848, 0.2370



58.6900, 0.3129, 0.4871



13.8393, 0.3198, 0.3149



10.2764, 0.4512, 0.2259



0.7298, 0.4257, 0.2119

Previews

White Background



This preview shows how the Yxy color 23.5022, 0.2515, 0.1816 looks on a white background.

Color Contrast Check

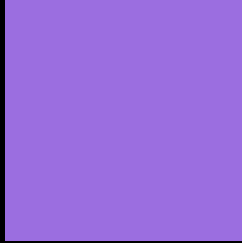
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5022, 0.2515, 0.1816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

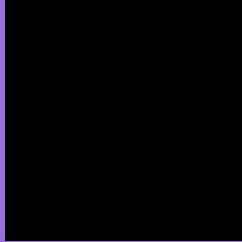
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5022, 0.2515, 0.1816

Background



This preview shows how black text looks on a background with the Yxy color 23.5022, 0.2515, 0.1816.



This preview shows how white text looks on a background with the Yxy color 23.5022, 0.2515, 0.1816.

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

23.5022, 0.2515, 0.1816

Protanopia

23.7494, 0.1952, 0.1711

Deuteranopia

23.8269, 0.2067, 0.2008



Tritanopia

23.3773, 0.3113, 0.3105

Trichromacy



Original Color

23.5022, 0.2515, 0.1816



Protanomaly

22.9785, 0.2096, 0.1725



Deuteranomaly

23.0135, 0.2187, 0.1903



Tritanomaly

23.1259, 0.2874, 0.2545

Monochromacy



Original Color

23.5022, 0.2515, 0.1816



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.8455, 0.2884, 0.2646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5022, 0.2515, 0.1816 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(155, 110, 224)` looks like.

```
.text, #text, p{  
    color:rgb(155, 110, 224)  
}
```

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(155, 110, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 110, 224) }
```

Border

The CSS property to change the border of an element to Yxy 23.5022, 0.2515, 0.1816 is called "border". The border property can be set on classes, ids or directly on the HTML element.

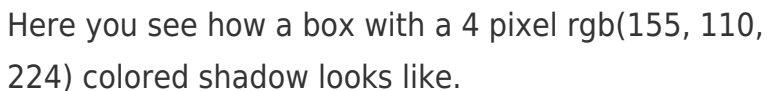
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 110, 224) }
```

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

```
.border{ border-color:rgb(155, 110, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 110, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 110, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 110, 224); box-shadow:4px 4px 4px 4px rgb(155, 110, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5022, 0.2515, 0.1816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 110, 224) }
```

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

```
.background{ background-color: rgb(155,  
110, 224) }
```

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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