

Converting Colors

$Y_{xy}(20.5166, 0.2452, 0.1586)$

Have a look what the booklet for
Yxy(20.5166, 0.2452, 0.1586)
contains.

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Color

Yxy(20.5104, 0.2451, 0.1585)

Conversions

Conversions Part 1

Format	Color
Hex	9B5DE6
RGB	155, 93, 230
RGB Percent	61%, 36%, 90%
CMY	0.3922, 0.6353, 0.0979
CMYK	0.33, 0.60, 0.00, 0.10
HSL	267°, 73%, 63%
HSV	267°, 60%, 90%
XYZ	31.7167, 20.5104, 77.1760
YIQ	127.1560, -7.0250, 55.7510

Conversions

Conversions Part 2

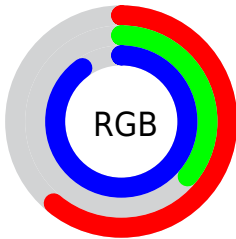
Format	Color
R _{YB}	155, 93, 230
Decimal	10182118
CIE _{Lab}	52.41, 51.94, -60.37
CIE _{LCh}	52, 79.640, 310.704
Yxy	20.5104, 0.2451, 0.1585
Android (android.graphics.Color)	4288372198 (0xFF9B5DE6)
YUV	127.1560, 50.7021, 24.4192
Hunter-Lab	45.2884, 45.7537, -69.3343

Details

The Yxy color **20.5104, 0.2451, 0.1585** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **65.7336, 0.3498, 0.4951**, and the grayscale version is **21.1040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9239, 0.2824, 0.2123**, and **7.3086, 0.2194, 0.1187** is the 20% darker color. If you saturate the color by 10%, you get **15.8804, 0.2307, 0.1323**, and if you desaturate by 10%, it is **26.4860, 0.2593, 0.1876**.

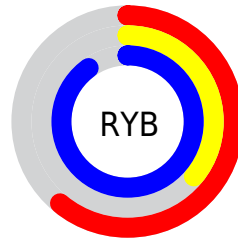
Distribution



Red (61%)

Green (36%)

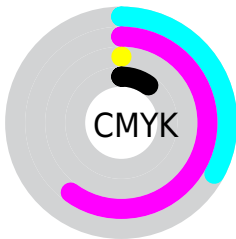
Blue (90%)



Red (61%)

Yellow (36%)

Blue (90%)

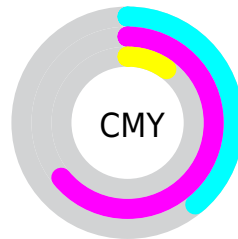


Cyan (33%)

Magenta (60%)

Yellow (0%)

Black (10%)



Cyan (39%)


Magenta (64%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5104, 0.2451, 0.1585 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 20.5104, 0.2451, 0.1585 by changing the saturation by 10% instead.


 20.5104, 0.2451,
0.1585


 20.5104, 0.2451,
0.1585


254.6650, 0.2842,
0.2400


 12.7666, 0.2342,
0.1404


 44.2713, 0.2603,
0.1867


 7.2680, 0.2198,
0.1187


 61.0571, 0.2657,
0.1977

 3.6303, 0.2002,
0.0929


 81.6258, 0.2702,
0.2072

 1.4690, 0.1731,
0.0630

 106.3616, 0.2740,
0.2155

 0.2667, 0.1363,
0.0211

135.6491, 0.2771,
0.2228

 0.0000, 0.0759,
0.0000

169.8725, 0.2798,

 0.0000, 0.0000,

0.2292

0.0000

209.4164, 0.2822,
0.2349

■ 20.5104, 0.2451,
0.1585

■ 20.5104, 0.2451,
0.1585

■ 15.8804, 0.2307,
0.1323

■ 26.4860, 0.2593,
0.1876

■ 12.4771, 0.2167,
0.1105

■ 33.9076, 0.2726,
0.2181

■ 10.1634, 0.2038,
0.0943


■ 42.8680, 0.2848,
0.2484

■ 8.7155, 0.1925,
0.0836


■ 53.4518, 0.2956,
0.2776

■ 8.6618, 0.1920,
0.0831

■ 65.7370, 0.3050,
0.3049

 79.7966, 0.3130,
0.3300

 95.6993, 0.3199,
0.3528

 98.4952, 0.3273,
0.3532

Harmonies

Analogous

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



20.5104, 0.1548, 0.1406



20.5104, 0.2451, 0.1585



20.5104, 0.3856, 0.2053

Triad

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



20.5104, 0.2451, 0.1585



20.5104, 0.5387, 0.4385



20.5104, 0.1287, 0.3414

Complementary

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



20.5104, 0.2451, 0.1585



65.7336, 0.3498, 0.4951

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.



20.5104, 0.2065, 0.5253



20.5104, 0.2451, 0.1585



20.5104, 0.4389, 0.5389

Square

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



20.5104, 0.2451, 0.1585



20.5104, 0.5826, 0.3505



20.5104, 0.3205, 0.6031



20.5104, 0.1010, 0.2113

Rectangle

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



20.5104, 0.2451, 0.1585



20.5104, 0.4857, 0.2494



20.5104, 0.3205, 0.6031



20.5104, 0.1487, 0.4023

Sweetspot

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



20.5111, 0.2451, 0.1585



69.6704, 0.2970, 0.2817



36.1840, 0.2203, 0.2425



14.0084, 0.2941, 0.2734



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.



20.5111, 0.2451, 0.1585



19.1638, 0.2281, 0.1279



29.2609, 0.3123, 0.1877



14.2048, 0.3051, 0.3052



4.9726, 0.1936, 0.0840



0.4220, 0.2099, 0.0930

Inverse Universe

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



27.4863, 0.3924, 0.2472



29.1719, 0.4168, 0.2373



60.1046, 0.3070, 0.5194



14.4994, 0.3207, 0.3162



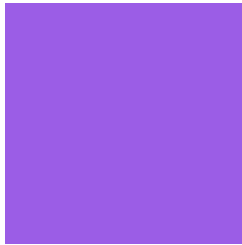
10.4014, 0.4753, 0.2392



0.7873, 0.4466, 0.2234

Previews

White Background



This preview shows how the Yxy color 20.5104, 0.2451, 0.1585 looks on a white background.

Color Contrast Check

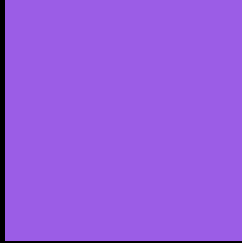
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5104, 0.2451, 0.1585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

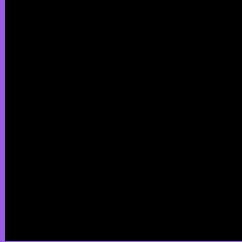
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5104, 0.2451, 0.1585

Background



This preview shows how black text looks on a background with the Yxy color 20.5104, 0.2451, 0.1585.



This preview shows how white text looks on a background with the Yxy color 20.5104, 0.2451, 0.1585.

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

20.5104, 0.2451, 0.1585

Protanopia

21.0332, 0.1753, 0.1465

Deuteranopia

20.8135, 0.1870, 0.1810



Tritanopia

20.5207, 0.3209, 0.3132

Trichromacy



Original Color

20.5104, 0.2451, 0.1585



Protanomaly

19.2516, 0.1850, 0.1441



Deuteranomaly

19.3302, 0.1964, 0.1656



Tritanomaly

19.9617, 0.2895, 0.2419

Monochromacy



Original Color

20.5104, 0.2451, 0.1585



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.2602, 0.2850, 0.2494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5104, 0.2451, 0.1585 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, 93, 230)` looks like.

```
.text, #text, p{  
    color:rgb(155, 93, 230)  
}
```

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, 93, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 93, 230) }
```

Border

The CSS property to change the border of an element to Yxy 20.5104, 0.2451, 0.1585 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, 93, 230) }
```

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

```
.border{ border-color:rgb(155, 93, 230) }
```

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

Here you see how a box with a 4 pixel rgb(155, 93, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 93, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 93, 230);  
box-shadow:4px 4px 4px 4px rgb(155, 93,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5104, 0.2451, 0.1585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 93, 230) }
```

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

```
.background{ background-color: rgb(155, 93,  
230) }
```

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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