

Converting Colors

$Y_{xy}(20.8434, 0.2401, 0.1568)$

Have a look what the booklet for
Yxy(20.8434, 0.2401, 0.1568)
contains.

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Color

Yxy(20.8003, 0.2400, 0.1565)

Conversions

Conversions Part 1

Format	Color
Hex	985FEA
RGB	152, 95, 234
RGB Percent	60%, 37%, 92%
CMY	0.4039, 0.6275, 0.0822
CMYK	0.35, 0.59, 0.00, 0.08
HSL	265°, 77%, 65%
HSV	265°, 59%, 92%
XYZ	31.8982, 20.8003, 80.2107
YIQ	127.8890, -10.6470, 55.3130

Conversions

Conversions Part 2

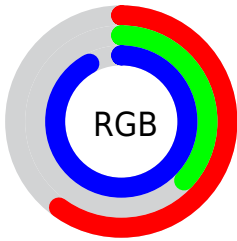
Format	Color
R_{YB}	152, 95, 234
Decimal	9986026
CIE _{Lab}	52.73, 51.22, -62.13
CIE _{LCh}	53, 80.517, 309.500
Yxy	20.8003, 0.2400, 0.1565
Android (android.graphics.Color)	4288176106 (0xFF985FEA)
YUV	127.8890, 52.3127, 21.1453
Hunter-Lab	45.6073, 45.0318, -72.3496

Details

The Yxy color **20.8003, 0.2400, 0.1565** 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 **69.0486, 0.3540, 0.4924**, and the grayscale version is **21.3637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1014, 0.2801, 0.2136**, and **7.4086, 0.2142, 0.1171** is the 20% darker color. If you saturate the color by 10%, you get **15.9442, 0.2247, 0.1295**, and if you desaturate by 10%, it is **27.0791, 0.2551, 0.1864**.

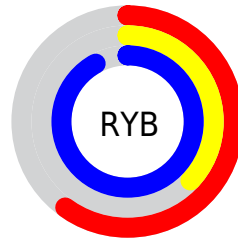
Distribution



Red (60%)

Green (37%)

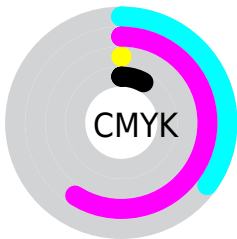
Blue (92%)



Red (60%)

Yellow (37%)

Blue (92%)

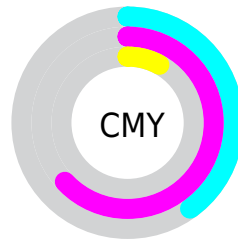


Cyan (35%)

Magenta (59%)

Yellow (0%)

Black (8%)



Cyan (40%)

Magenta (63%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8003, 0.2400, 0.1565 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 20.8003, 0.2400, 0.1565 by changing the saturation by 10% instead.


 20.8003, 0.2400,
0.1565


 20.8003, 0.2400,
0.1565


256.2153, 0.2816,
0.2386


 12.9781, 0.2286,
0.1384


 44.7549, 0.2560,
0.1847

 7.4135, 0.2137,
0.1168


 61.6562, 0.2618,
0.1959

 3.7220, 0.1936,
0.0913


 82.3526, 0.2666,
0.2055

 1.5193, 0.1662,
0.0619

 107.2285, 0.2706,
0.2138

 0.3023, 0.1293,
0.0224

136.6683, 0.2739,
0.2212

 0.0000, 0.0720,
0.0000

171.0564, 0.2769,

 0.0000, 0.0000,

0.2276

0.0000

210.7773, 0.2794,
0.2334

■ 20.8003, 0.2400,
0.1565

■ 20.8003, 0.2400,
0.1565

■ 15.9442, 0.2247,
0.1295

■ 27.0791, 0.2551,
0.1864

■ 12.3859, 0.2100,
0.1071

■ 34.8862, 0.2695,
0.2174

■ 9.9813, 0.1967,
0.0905


■ 44.3195, 0.2826,
0.2482

■ 8.5020, 0.1853,
0.0796

■ 55.4679, 0.2943,
0.2777

■ 8.4284, 0.1846,
0.0791

■ 68.4138, 0.3044,
0.3052

 83.2341, 0.3132,
0.3304

 97.5407, 0.3209,
0.3495

 98.7232, 0.3250,
0.3492

Harmonies

Analogous

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



20.8003, 0.1515, 0.1397



20.8003, 0.2400, 0.1565



20.8003, 0.3797, 0.2023

Triad

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



20.8003, 0.2400, 0.1565



20.8003, 0.5426, 0.4346



20.8003, 0.1298, 0.3484

Complementary

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



20.8003, 0.2400, 0.1565



69.0486, 0.3540, 0.4924

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.



20.8003, 0.2099, 0.5332



20.8003, 0.2400, 0.1565



20.8003, 0.4436, 0.5357

Square

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



20.8003, 0.2400, 0.1565



20.8003, 0.5839, 0.3470



20.8003, 0.3250, 0.6042



20.8003, 0.1005, 0.2142

Rectangle

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



20.8003, 0.2400, 0.1565



20.8003, 0.4811, 0.2461



20.8003, 0.3250, 0.6042



20.8003, 0.1506, 0.4104

Sweetspot

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



20.8010, 0.2400, 0.1565



69.3511, 0.2957, 0.2815



40.3845, 0.2227, 0.2528



13.9309, 0.2925, 0.2731



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.



20.8010, 0.2400, 0.1565



18.4244, 0.2218, 0.1248



29.3626, 0.3053, 0.1848



14.8505, 0.3044, 0.3051



4.8036, 0.1862, 0.0800



0.4322, 0.2017, 0.0885

Inverse Universe

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



28.8575, 0.3845, 0.2413



29.4773, 0.4062, 0.2303



62.9428, 0.3105, 0.5171



15.2032, 0.3201, 0.3152



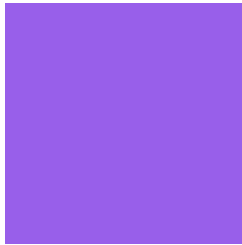
10.8874, 0.4579, 0.2296



0.8740, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 20.8003, 0.2400, 0.1565 looks on a white background.

Color Contrast Check

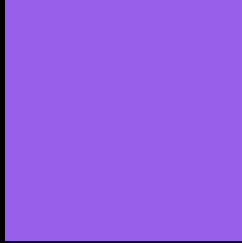
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8003, 0.2400, 0.1565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

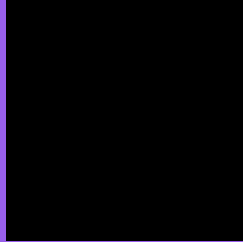
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8003, 0.2400, 0.1565

Background



This preview shows how black text looks on a background with the Yxy color 20.8003, 0.2400, 0.1565.



This preview shows how white text looks on a background with the Yxy color 20.8003, 0.2400, 0.1565.

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

20.8003, 0.2400, 0.1565

Protanopia

21.1144, 0.1761, 0.1469

Deuteranopia

21.0555, 0.1835, 0.1779



Tritanopia

20.6847, 0.3111, 0.3113

Trichromacy



Original Color

20.8003, 0.2400, 0.1565



Protanomaly

19.6815, 0.1865, 0.1454



Deuteranomaly

19.2281, 0.1890, 0.1614



Tritanomaly

20.2015, 0.2811, 0.2386

Monochromacy



Original Color

20.8003, 0.2400, 0.1565



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.5992, 0.2821, 0.2469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8003, 0.2400, 0.1565 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(152, 95, 234)` looks like.

```
.text, #text, p{  
    color:rgb(152, 95, 234)  
}
```

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(152, 95, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 95, 234) }
```

Border

The CSS property to change the border of an element to Yxy 20.8003, 0.2400, 0.1565 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(152, 95, 234) }
```

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

```
.border{ border-color:rgb(152, 95, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 95, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 95, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 95, 234);  
box-shadow:4px 4px 4px 4px rgb(152, 95,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8003, 0.2400, 0.1565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 95, 234) }
```

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

```
.background{ background-color: rgb(152, 95,  
234) }
```

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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