

Converting Colors

$Y_{xy}(20.2532, 0.2427, 0.1576)$

Have a look what the booklet for
Yxy(20.2532, 0.2427, 0.1576)
contains.

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Color

Yxy(20.2173, 0.2424, 0.1573)

Conversions

Conversions Part 1

Format	Color
Hex	985DE6
RGB	152, 93, 230
RGB Percent	60%, 36%, 90%
CMY	0.4038, 0.6354, 0.0979
CMYK	0.34, 0.60, 0.00, 0.10
HSL	266°, 73%, 63%
HSV	266°, 60%, 90%
XYZ	31.1549, 20.2173, 77.1548
YIQ	126.2590, -8.8130, 55.1150

Conversions

Conversions Part 2

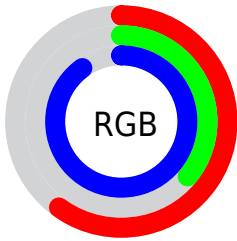
Format	Color
R_{YB}	152, 93, 230
Decimal	9985510
CIE _{Lab}	52.08, 51.29, -60.92
CIE _{LCh}	52, 79.638, 310.093
Yxy	20.2173, 0.2424, 0.1573
Android (android.graphics.Color)	4288175590 (0xFF985DE6)
YUV	126.2590, 51.1443, 22.5749
Hunter-Lab	44.9637, 44.9948, -70.2633

Details

The Yxy color **20.2173, 0.2424, 0.1573** 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 **66.0638, 0.3519, 0.4939**, and the grayscale version is **20.7809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4794, 0.2800, 0.2115**, and **7.1060, 0.2167, 0.1176** is the 20% darker color. If you saturate the color by 10%, you get **15.5757, 0.2275, 0.1307**, and if you desaturate by 10%, it is **26.2138, 0.2570, 0.1868**.

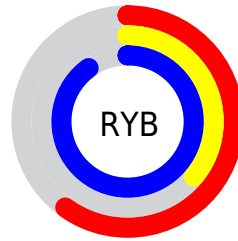
Distribution



Red (60%)

Green (36%)

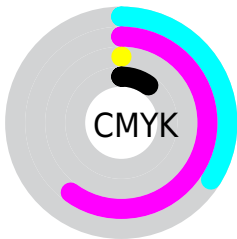
Blue (90%)



Red (60%)

Yellow (36%)

Blue (90%)

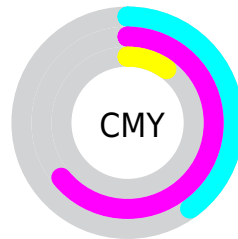


Cyan (34%)

Magenta (60%)

Yellow (0%)

Black (10%)



Cyan (40%)


Magenta (64%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2173, 0.2424, 0.1573 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 20.2173, 0.2424, 0.1573 by changing the saturation by 10% instead.


 20.2173, 0.2424,
0.1573


 20.2173, 0.2424,
0.1573


253.0891, 0.2830,
0.2395


 12.5531, 0.2311,
0.1390


 43.7812, 0.2581,
0.1857

 7.1215, 0.2163,
0.1172


 60.4497, 0.2638,
0.1968

 3.5382, 0.1962,
0.0913


 80.8884, 0.2684,
0.2064

 1.4188, 0.1685,
0.0614

 105.4817, 0.2723,
0.2148

 0.2305, 0.1312,
0.0184

134.6141, 0.2756,
0.2221

 0.0000, 0.0684,
0.0000

168.6698, 0.2784,

 0.0000, 0.0000,

0.2286

0.0000

208.0333, 0.2808,
0.2343

■ 20.2173, 0.2424,
0.1573

■ 20.2173, 0.2424,
0.1573

■ 15.5757, 0.2275,
0.1307

■ 26.2138, 0.2570,
0.1868

■ 12.1698, 0.2132,
0.1086

■ 33.6662, 0.2709,
0.2175

■ 9.8616, 0.2001,
0.0922


■ 42.6678, 0.2836,
0.2481


■ 8.4264, 0.1887,
0.0815


■ 53.3037, 0.2948,
0.2774

■ 8.3749, 0.1882,
0.0811

■ 65.6523, 0.3046,
0.3048

 79.7871, 0.3130,
0.3300

 95.7771, 0.3202,
0.3528

 98.4956, 0.3273,
0.3532

Harmonies

Analogous

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



20.2173, 0.1529, 0.1400



20.2173, 0.2424, 0.1573



20.2173, 0.3827, 0.2036

Triad

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



20.2173, 0.2424, 0.1573



20.2173, 0.5409, 0.4365



20.2173, 0.1290, 0.3449

Complementary

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



20.2173, 0.2424, 0.1573



66.0638, 0.3519, 0.4939

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.



20.2173, 0.2080, 0.5297



20.2173, 0.2424, 0.1573



20.2173, 0.4414, 0.5375

Square

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



20.2173, 0.2424, 0.1573



20.2173, 0.5836, 0.3487



20.2173, 0.3227, 0.6041



20.2173, 0.1005, 0.2126

Rectangle

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



20.2173, 0.2424, 0.1573



20.2173, 0.4837, 0.2476



20.2173, 0.3227, 0.6041



20.2173, 0.1494, 0.4065

Sweetspot

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



20.2180, 0.2424, 0.1573



69.5078, 0.2964, 0.2816



37.9019, 0.2218, 0.2492



13.9689, 0.2933, 0.2733



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.



20.2180, 0.2424, 0.1573



18.3098, 0.2234, 0.1240



28.5409, 0.3076, 0.1856



14.1893, 0.3047, 0.3052



4.8085, 0.1899, 0.0820



0.4093, 0.2062, 0.0910

Inverse Universe

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



27.5938, 0.3885, 0.2441



28.9479, 0.4134, 0.2331



60.3744, 0.3093, 0.5182



14.5048, 0.3204, 0.3157



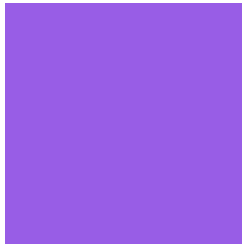
10.4754, 0.4663, 0.2343



0.7926, 0.4393, 0.2194

Previews

White Background



This preview shows how the Yxy color 20.2173, 0.2424, 0.1573 looks on a white background.

Color Contrast Check

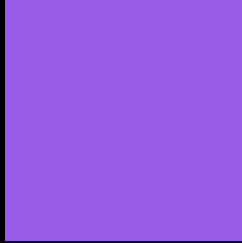
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2173, 0.2424, 0.1573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

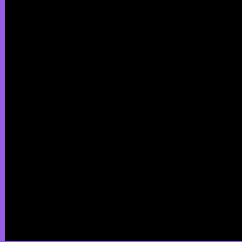
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2173, 0.2424, 0.1573

Background



This preview shows how black text looks on a background with the Yxy color 20.2173, 0.2424, 0.1573.



This preview shows how white text looks on a background with the Yxy color 20.2173, 0.2424, 0.1573.

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

20.2173, 0.2424, 0.1573

Protanopia

20.6529, 0.1735, 0.1447

Deuteranopia

20.4200, 0.1849, 0.1789



Tritanopia

20.1920, 0.3159, 0.3130

Trichromacy



Original Color

20.2173, 0.2424, 0.1573



Protanomaly

18.6179, 0.1803, 0.1411



Deuteranomaly

18.7908, 0.1924, 0.1628



Tritanomaly

19.6110, 0.2850, 0.2407

Monochromacy



Original Color

20.2173, 0.2424, 0.1573



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.8659, 0.2827, 0.2473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2173, 0.2424, 0.1573 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, 93, 230)` looks like.

```
.text, #text, p{  
    color:rgb(152, 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(152, 93, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 93, 230) }
```

Border

The CSS property to change the border of an element to Yxy 20.2173, 0.2424, 0.1573 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, 93, 230) }
```

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

```
.border{ border-color:rgb(152, 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(152, 93, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 93, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 93, 230);  
box-shadow:4px 4px 4px 4px rgb(152, 93,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2173, 0.2424, 0.1573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 93, 230) }
```

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

```
.background{ background-color: rgb(152, 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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