

Converting Colors

$Y_{xy}(20.2565, 0.2366, 0.1548)$

Have a look what the booklet for
Yxy(20.2565, 0.2366, 0.1548)
contains.

Yxy(20.1845, 0.2370, 0.1547)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.1845, 0.2370, 0.1547)

Conversions

Conversions Part 1

Format	Color
Hex	945EE9
RGB	148, 94, 233
RGB Percent	58%, 37%, 91%
CMY	0.4197, 0.6313, 0.0862
CMYK	0.36, 0.60, 0.00, 0.09
HSL	263°, 76%, 64%
HSV	263°, 60%, 91%
XYZ	30.9226, 20.1845, 79.3680
YIQ	125.9920, -12.4350, 54.6770

Conversions

Conversions Part 2

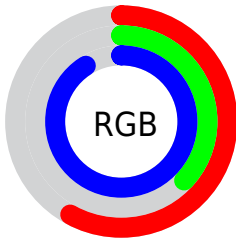
Format	Color
R _Y B	148, 94, 233
Decimal	9723625
CIE Lab	52.05, 50.59, -62.67
CIE LCh	52, 80.544, 308.909
Yxy	20.1845, 0.2370, 0.1547
Android (android.graphics.Color)	4287913705 (0xFF945EE9)
YUV	125.9920, 52.7549, 19.3010
Hunter-Lab	44.9272, 44.2360, -73.2923

Details

The Yxy color **20.1845, 0.2370, 0.1547** 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 **68.6829, 0.3563, 0.4917**, and the grayscale version is **20.6822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2092, 0.2768, 0.2115**, and **7.0360, 0.2093, 0.1140** is the 20% darker color. If you saturate the color by 10%, you get **15.3995, 0.2213, 0.1275**, and if you desaturate by 10%, it is **26.3850, 0.2526, 0.1849**.

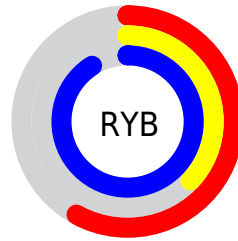
Distribution



Red (58%)

Green (37%)

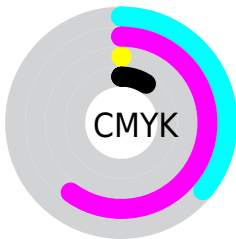
Blue (91%)



Red (58%)

Yellow (37%)

Blue (91%)

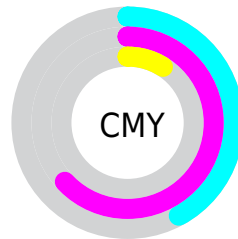


Cyan (36%)

Magenta (60%)

Yellow (0%)

Black (9%)



Cyan (42%)


Magenta (63%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1845, 0.2370, 0.1547 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 20.1845, 0.2370, 0.1547 by changing the saturation by 10% instead.


 20.1845, 0.2370,
0.1547


 20.1845, 0.2370,
0.1547


252.9122, 0.2803,
0.2378


 12.5292, 0.2252,
0.1363


 43.7263, 0.2536,
0.1833


 7.1052, 0.2097,
0.1145


 60.3816, 0.2597,
0.1946

 3.5280, 0.1889,
0.0887


 80.8057, 0.2646,
0.2043

 1.4132, 0.1606,
0.0592

 105.3830, 0.2688,
0.2128

 0.2264, 0.1231,
0.0173

134.4979, 0.2723,
0.2202

 0.0000, 0.0612,
0.0000

168.5348, 0.2753,

 0.0000, 0.0000,

0.2268

0.0000

207.8781, 0.2780,
0.2326

■ 20.1845, 0.2370,
0.1547

■ 20.1845, 0.2370,
0.1547

■ 15.3995, 0.2213,
0.1275

■ 26.3850, 0.2526,
0.1849

■ 11.9054, 0.2063,
0.1049

■ 34.1065, 0.2675,
0.2162

■ 9.5585, 0.1929,
0.0883


■ 43.4466, 0.2811,
0.2472


■ 8.1242, 0.1816,
0.0775


■ 54.4941, 0.2932,
0.2769

■ 8.0820, 0.1812,
0.0772

■ 67.3309, 0.3039,
0.3046

 82.0338, 0.3130,
0.3298

 97.3164, 0.3209,
0.3506

 98.6641, 0.3256,
0.3503

Harmonies

Analogous

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



20.1845, 0.1491, 0.1384



20.1845, 0.2370, 0.1547



20.1845, 0.3772, 0.2002

Triad

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



20.1845, 0.2370, 0.1547



20.1845, 0.5455, 0.4326



20.1845, 0.1294, 0.3518

Complementary

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



20.1845, 0.2370, 0.1547



68.6829, 0.3563, 0.4917

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.



20.1845, 0.2107, 0.5388



20.1845, 0.2370, 0.1547



20.1845, 0.4463, 0.5349

Square

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



20.1845, 0.2370, 0.1547



20.1845, 0.5860, 0.3449



20.1845, 0.3267, 0.6066



20.1845, 0.0993, 0.2149

Rectangle

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



20.1845, 0.2370, 0.1547



20.1845, 0.4800, 0.2439



20.1845, 0.3267, 0.6066



20.1845, 0.1506, 0.4150

Sweetspot

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



20.1852, 0.2370, 0.1547



69.1885, 0.2950, 0.2814



40.7972, 0.2232, 0.2558



13.8915, 0.2917, 0.2730



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.



20.1852, 0.2370, 0.1547



17.5898, 0.2172, 0.1209



28.6114, 0.3030, 0.1834



14.8341, 0.3040, 0.3051



4.6517, 0.1827, 0.0780



0.4193, 0.1982, 0.0866

Inverse Universe

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



28.5890, 0.3809, 0.2380



29.2659, 0.4026, 0.2260



62.4242, 0.3117, 0.5172



15.2089, 0.3197, 0.3147



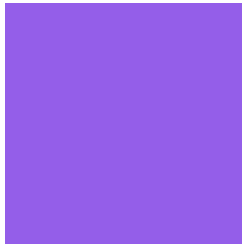
10.9719, 0.4490, 0.2247



0.8803, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 20.1845, 0.2370, 0.1547 looks on a white background.

Color Contrast Check

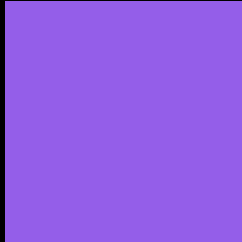
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1845, 0.2370, 0.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

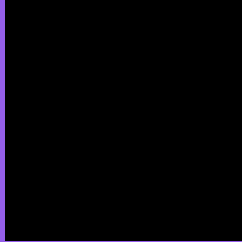
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1845, 0.2370, 0.1547

Background



This preview shows how black text looks on a background with the Yxy color 20.1845, 0.2370, 0.1547.



This preview shows how white text looks on a background with the Yxy color 20.1845, 0.2370, 0.1547.

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

20.1845, 0.2370, 0.1547

Protanopia

20.3494, 0.1734, 0.1441

Deuteranopia

20.3035, 0.1826, 0.1772



Tritanopia

20.0970, 0.3075, 0.3109

Trichromacy



Original Color

20.1845, 0.2370, 0.1547

Protanomaly

18.5900, 0.1800, 0.1410

Deuteranomaly

18.3649, 0.1863, 0.1599

Tritanomaly

19.6038, 0.2776, 0.2372

Monochromacy



Original Color

20.1845, 0.2370, 0.1547

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

19.8196, 0.2806, 0.2456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1845, 0.2370, 0.1547 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(148, 94, 233)` looks like.

```
.text, #text, p{  
    color:rgb(148, 94, 233)  
}
```

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(148, 94, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 94, 233) }
```

Border

The CSS property to change the border of an element to Yxy 20.1845, 0.2370, 0.1547 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(148, 94, 233) }
```

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

```
.border{ border-color:rgb(148, 94, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 94, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 94, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 94, 233);  
box-shadow:4px 4px 4px 4px rgb(148, 94,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1845, 0.2370, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 94, 233) }
```

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

```
.background{ background-color: rgb(148, 94,  
233) }
```

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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