

Converting Colors

$Y_{xy}(20.7219, 0.2495, 0.1595)$

Have a look what the booklet for
Yxy(20.7219, 0.2495, 0.1595)
contains.

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Color

Yxy(20.6824, 0.2494, 0.1599)

Conversions

Conversions Part 1

Format	Color
Hex	9F5CE5
RGB	159, 92, 229
RGB Percent	62%, 36%, 90%
CMY	0.3766, 0.6391, 0.1020
CMYK	0.31, 0.60, 0.00, 0.10
HSL	269°, 72%, 63%
HSV	269°, 60%, 90%
XYZ	32.2589, 20.6824, 76.4046
YIQ	127.6510, -4.0450, 56.8110

Conversions

Conversions Part 2

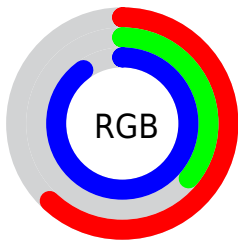
Format	Color
R_{YB}	159, 92, 229
Decimal	10444005
CIE _{Lab}	52.60, 53.08, -59.45
CIE _{LCh}	53, 79.698, 311.761
Yxy	20.6824, 0.2494, 0.1599
Android (android.graphics.Color)	4288634085 (0xFF9F5CE5)
YUV	127.6510, 49.9651, 27.4931
Hunter-Lab	45.4779, 47.0291, -67.7749

Details

The Yxy color **20.6824, 0.2494, 0.1599** 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 **64.4877, 0.3462, 0.4977**, and the grayscale version is **21.2869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2225, 0.2857, 0.2124**, and **7.3595, 0.2246, 0.1199** is the 20% darker color. If you saturate the color by 10%, you get **16.1554, 0.2358, 0.1344**, and if you desaturate by 10%, it is **26.5229, 0.2627, 0.1884**.

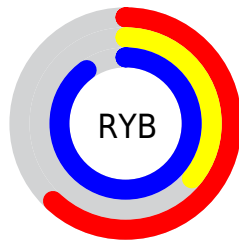
Distribution



Red (62%)

Green (36%)

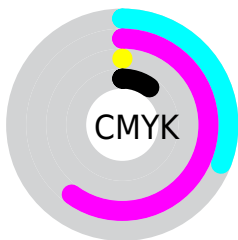
Blue (90%)



Red (62%)

Yellow (36%)

Blue (90%)

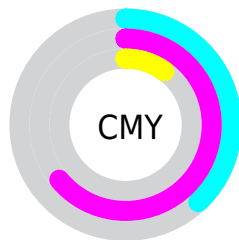


Cyan (31%)

Magenta (60%)

Yellow (0%)

Black (10%)



Cyan (38%)


Magenta (64%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6824, 0.2494, 0.1599 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 20.6824, 0.2494, 0.1599 by changing the saturation by 10% instead.


 20.6824, 0.2494,
0.1599

 20.6824, 0.2494,
0.1599


255.5858, 0.2863,
0.2407


 12.8920, 0.2390,
0.1419


 44.5584, 0.2638,
0.1879

 7.3543, 0.2252,
0.1203


 61.4128, 0.2690,
0.1988

 3.6846, 0.2064,
0.0946


 82.0573, 0.2732,
0.2082

 1.4988, 0.1799,
0.0647

 106.8763, 0.2767,
0.2165

 0.2879, 0.1437,
0.0230

136.2543, 0.2797,
0.2237

 0.0000, 0.0849,
0.0000

170.5756, 0.2822,

 0.0000, 0.0000,

0.2300

0.0000

210.2247, 0.2844,
0.2357

■ 20.6824, 0.2494,
0.1599

■ 20.6824, 0.2494,
0.1599

■ 16.1554, 0.2358,
0.1344

■ 26.5229, 0.2627,
0.1884

■ 12.8247, 0.2225,
0.1132

■ 33.7755, 0.2752,
0.2183

■ 10.5551, 0.2101,
0.0975


■ 42.5317, 0.2865,
0.2482


■ 9.1185, 0.1990,
0.0871

■ 52.8745, 0.2966,
0.2771

■ 9.0939, 0.1988,
0.0869

■ 64.8805, 0.3054,
0.3043

 78.6215, 0.3128,
0.3295

 94.1648, 0.3192,
0.3523

 97.9879, 0.3264,
0.3544

 98.4360, 0.3280,
0.3542

Harmonies

Analogous

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



20.6824, 0.1573, 0.1410



20.6824, 0.2494, 0.1599



20.6824, 0.3910, 0.2076

Triad

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



20.6824, 0.2494, 0.1599



20.6824, 0.5356, 0.4420



20.6824, 0.1272, 0.3355

Complementary

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



20.6824, 0.2494, 0.1599



64.4877, 0.3462, 0.4977

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.



20.6824, 0.2032, 0.5191



20.6824, 0.2494, 0.1599



20.6824, 0.4348, 0.5420

Square

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



20.6824, 0.2494, 0.1599



20.6824, 0.5821, 0.3535



20.6824, 0.3165, 0.6028



20.6824, 0.1011, 0.2085

Rectangle

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



20.6824, 0.2494, 0.1599



20.6824, 0.4901, 0.2521



20.6824, 0.3165, 0.6028



20.6824, 0.1466, 0.3955

Sweetspot

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



20.6832, 0.2494, 0.1599



69.9473, 0.2982, 0.2819



34.0531, 0.2185, 0.2354



14.0757, 0.2955, 0.2736



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.



20.6832, 0.2494, 0.1599



19.3672, 0.2323, 0.1283



29.5982, 0.3169, 0.1893



14.2311, 0.3057, 0.3052



5.2717, 0.2004, 0.0878



0.4447, 0.2163, 0.0965

Inverse Universe

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



26.9259, 0.3997, 0.2522



28.5443, 0.4285, 0.2430



59.1968, 0.3047, 0.5214



14.4904, 0.3213, 0.3170



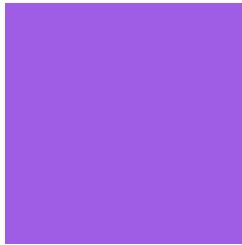
10.2843, 0.4906, 0.2476



0.7787, 0.4591, 0.2303

Previews

White Background



This preview shows how the Yxy color 20.6824, 0.2494, 0.1599 looks on a white background.

Color Contrast Check

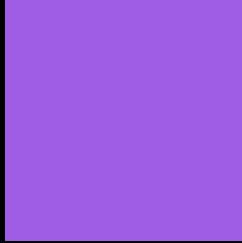
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6824, 0.2494, 0.1599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

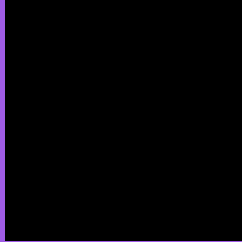
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6824, 0.2494, 0.1599

Background



This preview shows how black text looks on a background with the Yxy color 20.6824, 0.2494, 0.1599.



This preview shows how white text looks on a background with the Yxy color 20.6824, 0.2494, 0.1599.

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

20.6824, 0.2494, 0.1599

Protanopia

21.1014, 0.1759, 0.1468

Deuteranopia

20.9241, 0.1892, 0.1826



Tritanopia

20.5934, 0.3272, 0.3135

Trichromacy



Original Color

20.6824, 0.2494, 0.1599



Protanomaly

19.2615, 0.1870, 0.1439



Deuteranomaly

19.3557, 0.1999, 0.1663



Tritanomaly

20.0715, 0.2952, 0.2428

Monochromacy



Original Color

20.6824, 0.2494, 0.1599



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.4670, 0.2862, 0.2486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6824, 0.2494, 0.1599 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(159, 92, 229)` looks like.

```
.text, #text, p{  
  color:rgb(159, 92, 229)  
}
```

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(159, 92, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 92, 229) }
```

Border

The CSS property to change the border of an element to Yxy 20.6824, 0.2494, 0.1599 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(159, 92, 229) }
```

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

```
.border{ border-color:rgb(159, 92, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 92, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 92, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 92, 229);  
box-shadow:4px 4px 4px 4px rgb(159, 92,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6824, 0.2494, 0.1599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 92, 229) }
```

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

```
.background{ background-color: rgb(159, 92,  
229) }
```

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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