

Converting Colors

$Y_{xy}(19.6729, 0.2603, 0.1598)$

Have a look what the booklet for
Yxy(19.6729, 0.2603, 0.1598)
contains.

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Color

Yxy(19.7216, 0.2608, 0.1603)

Conversions

Conversions Part 1

Format	Color
Hex	A654DE
RGB	166, 84, 222
RGB Percent	65%, 33%, 87%
CMY	0.3489, 0.6707, 0.1294
CMYK	0.25, 0.62, 0.00, 0.13
HSL	276°, 68%, 60%
HSV	276°, 62%, 87%
XYZ	32.0860, 19.7216, 71.2217
YIQ	124.2500, 4.5740, 60.3020

Conversions

Conversions Part 2

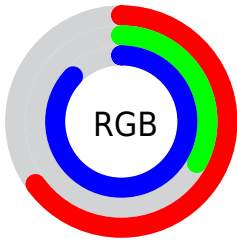
Format	Color
R _Y B	166, 84, 222
Decimal	10900702
CIE Lab	51.52, 57.11, -57.20
CIE LCh	52, 80.826, 314.956
Yxy	19.7216, 0.2608, 0.1603
Android (android.graphics.Color)	4289090782 (0xFFA654DE)
YUV	124.2500, 48.1908, 36.6148
Hunter-Lab	44.4090, 51.2526, -64.0010

Details

The Yxy color **19.7216, 0.2608, 0.1603** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **58.4523, 0.3361, 0.5100**, and the grayscale version is **20.0783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2443, 0.2914, 0.2076**, and **6.8349, 0.2382, 0.1197** is the 20% darker color. If you saturate the color by 10%, you get **15.8669, 0.2498, 0.1376**, and if you desaturate by 10%, it is **24.7374, 0.2715, 0.1863**.

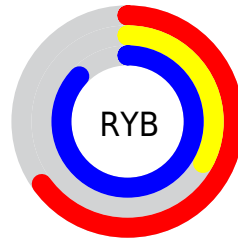
Distribution



Red (65%)

Green (33%)

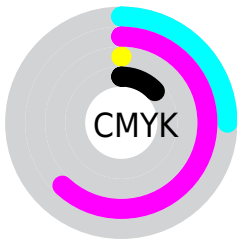
Blue (87%)



Red (65%)

Yellow (33%)

Blue (87%)

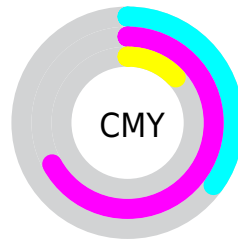


Cyan (25%)

Magenta (62%)

Yellow (0%)

Black (13%)



Cyan (35%)


Magenta (67%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7216, 0.2608, 0.1603 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 19.7216, 0.2608, 0.1603 by changing the saturation by 10% instead.


 19.7216, 0.2608,
0.1603


 19.7216, 0.2608,
0.1603


250.4040, 0.2923,
0.2414


 12.1928, 0.2515,
0.1421


 42.9499, 0.2734,
0.1885

 6.8751, 0.2389,
0.1202


 59.4183, 0.2778,
0.1995

 3.3841, 0.2214,
0.0940


 79.6353, 0.2814,
0.2089

 1.3354, 0.1960,
0.0634

 103.9854, 0.2844,
0.2171

 0.1684, 0.1608,
0.0153

 132.8529, 0.2868,
0.2243

 0.0000, 0.0965,
0.0000

166.6222, 0.2889,

 0.0000, 0.0000,

0.2307

0.0000

205.6778, 0.2908,
0.2363

■ 19.7216, 0.2608,
0.1603

■ 19.7216, 0.2608,
0.1603

■ 15.8669, 0.2498,
0.1376

■ 24.7374, 0.2715,
0.1863

■ 13.0623, 0.2389,
0.1193

■ 31.0067, 0.2815,
0.2143

■ 11.1784, 0.2285,
0.1062

■ 38.6149, 0.2906,
0.2430

■ 10.1781, 0.2209,
0.0991

■ 47.6391, 0.2987,
0.2712

■ 58.1504, 0.3056,
0.2983

■ 70.2150, 0.3116,
0.3237

■ 83.8951, 0.3165,
0.3472

■ 94.9793, 0.3212,
0.3622

■ 96.5770, 0.3270,
0.3617

Harmonies

Analogous

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



19.7216, 0.1614, 0.1380



19.7216, 0.2608, 0.1603



19.7216, 0.4100, 0.2115

Triad

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



19.7216, 0.2608, 0.1603



19.7216, 0.5301, 0.4526



19.7216, 0.1179, 0.3167

Complementary

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



19.7216, 0.2608, 0.1603



58.4523, 0.3361, 0.5100

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.



19.7216, 0.1889, 0.5070



19.7216, 0.2608, 0.1603



19.7216, 0.4228, 0.5560

Square

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



19.7216, 0.2608, 0.1603



19.7216, 0.5873, 0.3607



19.7216, 0.3015, 0.6109



19.7216, 0.0967, 0.1961

Rectangle

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



19.7216, 0.2608, 0.1603



19.7216, 0.5094, 0.2576



19.7216, 0.3015, 0.6109



19.7216, 0.1354, 0.3764

Sweetspot

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



19.7224, 0.2608, 0.1603



69.3505, 0.3009, 0.2796



26.3518, 0.2105, 0.2098



13.9998, 0.2988, 0.2716



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.



19.7224, 0.2608, 0.1603



20.2591, 0.2460, 0.1308



26.5450, 0.3318, 0.1958



13.6441, 0.3073, 0.3054



6.1121, 0.2223, 0.0998



0.4755, 0.2372, 0.1080

Inverse Universe

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



23.7588, 0.4265, 0.2665



26.8306, 0.4663, 0.2613



54.9609, 0.2986, 0.5151



13.7922, 0.3229, 0.3195



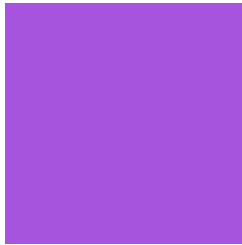
9.6836, 0.5347, 0.2719



0.6886, 0.4943, 0.2496

Previews

White Background



This preview shows how the Yxy color 19.7216, 0.2608, 0.1603 looks on a white background.

Color Contrast Check

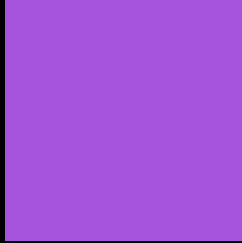
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7216, 0.2608, 0.1603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

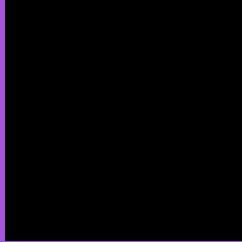
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7216, 0.2608, 0.1603

Background



This preview shows how black text looks on a background with the Yxy color 19.7216, 0.2608, 0.1603.

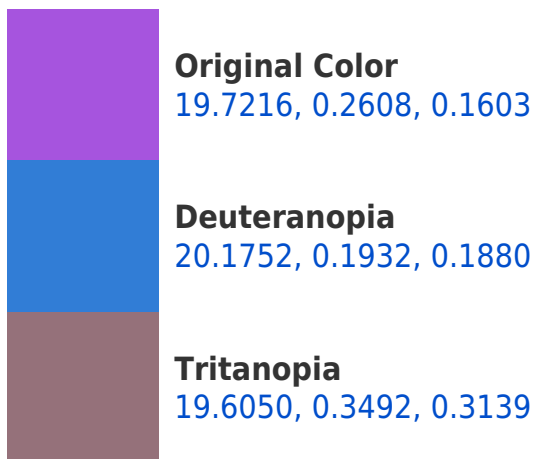


This preview shows how white text looks on a background with the Yxy color 19.7216, 0.2608, 0.1603.

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



Trichromacy



Original Color

19.7216, 0.2608, 0.1603

Deuteranomaly

18.4369, 0.2066, 0.1692

Tritanomaly

18.9399, 0.3130, 0.2425

Monochromacy



Original Color

19.7216, 0.2608, 0.1603

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

18.9643, 0.2911, 0.2458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7216, 0.2608, 0.1603 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(166, 84, 222)` looks like.

```
.text, #text, p{  
    color:rgb(166, 84, 222)  
}
```

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(166, 84, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 84, 222) }
```

Border

The CSS property to change the border of an element to Yxy 19.7216, 0.2608, 0.1603 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(166, 84, 222) }
```

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

```
.border{ border-color:rgb(166, 84, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 84, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 84, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 84, 222);  
box-shadow:4px 4px 4px 4px rgb(166, 84,  
222) }
```

Background

The CSS property to change the background color of an element to Yxy 19.7216, 0.2608, 0.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 84, 222) }
```

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

```
.background{ background-color: rgb(166, 84,  
222) }
```

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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