

Converting Colors

$Y_{xy}(19.8284, 0.3009, 0.2255)$

Have a look what the booklet for
Yxy(19.8284, 0.3009, 0.2255)
contains.

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Color

Yxy(19.8522, 0.3017, 0.2261)

Conversions

Conversions Part 1

Format	Color
Hex	9F66AC
RGB	159, 102, 172
RGB Percent	62%, 40%, 67%
CMY	0.3766, 0.5999, 0.3255
CMYK	0.08, 0.41, 0.00, 0.33
HSL	289°, 30%, 54%
HSV	289°, 41%, 67%
XYZ	26.4901, 19.8522, 41.4605
YIQ	127.0230, 11.5020, 33.8540

Conversions

Conversions Part 2

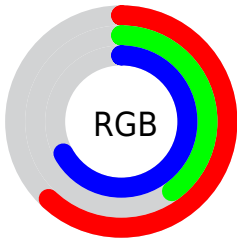
Format	Color
R_{YB}	159, 102, 172
Decimal	10446508
CIE _{Lab}	51.67, 34.92, -28.29
CIE _{LCh}	52, 44.943, 320.989
Yxy	19.8522, 0.3017, 0.2261
Android (android.graphics.Color)	4288636588 (0xFF9F66AC)
YUV	127.0230, 22.1737, 28.0438
Hunter-Lab	44.5558, 28.1522, -23.9820

Details

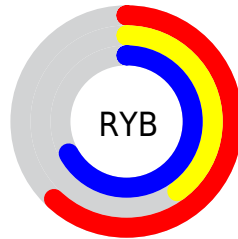
The Yxy color $19.8522, 0.3017, 0.2261$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.1093, 0.3179, 0.4475$, and the grayscale version is $21.1519, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.1597, 0.3051, 0.2457$, and $6.9423, 0.2952, 0.1943$ is the 20% darker color. If you saturate the color by 10%, you get $16.4921, 0.2978, 0.2017$, and if you desaturate by 10%, it is $23.9238, 0.3052, 0.2517$.

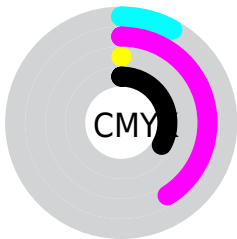
Distribution



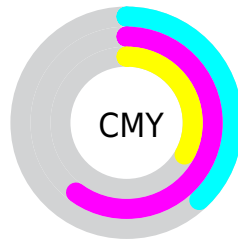
- Red (62%)
- Green (40%)
- Blue (67%)



- Red (62%)
- Yellow (40%)
- Blue (67%)



- Cyan (8%)
- Magenta (41%)
- Yellow (0%)
- Black (33%)





- Cyan (38%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8522, 0.3017, 0.2261 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 19.8522, 0.3017, 0.2261 by changing the saturation by 10% instead.


 19.8522, 0.3017,
0.2261


 19.8522, 0.3017,
0.2261


251.1139, 0.3094,
0.2801


 12.2877, 0.2989,
0.2120


 43.1692, 0.3051,
0.2463


 6.9399, 0.2946,
0.1935


 59.6905, 0.3062,
0.2537

 3.4245, 0.2877,
0.1687

 79.9662, 0.3071,
0.2599

 1.3572, 0.2755,
0.1341

 104.3806, 0.3077,
0.2652

 0.1848, 0.2614,
0.0464

133.3182, 0.3083,
0.2697

 0.0000, 0.0000,
0.0000

167.1633, 0.3087,

0.2736

206.3004, 0.3091,
0.2771

■ 19.8522, 0.3017,
0.2261

■ 19.8522, 0.3017,
0.2261

■ 16.4921, 0.2978,
0.2017

■ 23.9238, 0.3052,
0.2517

■ 13.7972, 0.2934,
0.1796

■ 28.7444, 0.3081,
0.2776

■ 11.7198, 0.2887,
0.1606

■ 34.3519, 0.3106,
0.3030

■ 10.2044, 0.2839,
0.1457


■ 40.7807, 0.3126,
0.3274

■ 9.1858, 0.2790,
0.1352


■ 48.0634, 0.3142,
0.3503

 8.5517, 0.2744,
0.1286

 56.2306, 0.3154,
0.3716

 65.3116, 0.3163,
0.3911

 75.3341, 0.3170,
0.4089

 85.1615, 0.3176,
0.4234

Harmonies

Analogous

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



19.8522, 0.2301, 0.2060



19.8522, 0.3017, 0.2261



19.8522, 0.3875, 0.2665

Triad

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



19.8522, 0.3017, 0.2261



19.8522, 0.4478, 0.4386



19.8522, 0.1863, 0.3124

Complementary

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



19.8522, 0.3017, 0.2261



34.1093, 0.3179, 0.4475

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.



19.8522, 0.2333, 0.4028



19.8522, 0.3017, 0.2261



19.8522, 0.3840, 0.4790

Square

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



19.8522, 0.3017, 0.2261



19.8522, 0.4772, 0.3803



19.8522, 0.3056, 0.4713



19.8522, 0.1712, 0.2446

Rectangle

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



19.8522, 0.3017, 0.2261



19.8522, 0.4373, 0.3015



19.8522, 0.3056, 0.4713



19.8522, 0.1985, 0.3415

Sweetspot

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



19.8531, 0.3017, 0.2261



60.6710, 0.3102, 0.2992



18.2989, 0.2427, 0.2316



12.8989, 0.3100, 0.2961



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.8531, 0.3017, 0.2261



30.3666, 0.2981, 0.2036



20.5112, 0.3434, 0.2575



8.0716, 0.3109, 0.3064



6.3868, 0.2749, 0.1288



0.1969, 0.2897, 0.1370

Inverse Universe

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



19.5157, 0.3942, 0.3094



29.7931, 0.4233, 0.3054



33.7580, 0.2919, 0.4138



8.0388, 0.3258, 0.3248



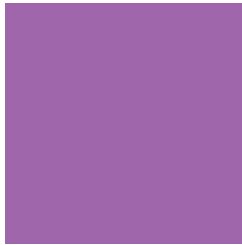
6.6107, 0.6077, 0.3122



0.1909, 0.5318, 0.2703

Previews

White Background



This preview shows how the Yxy color 19.8522, 0.3017, 0.2261 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 19.8522, 0.3017, 0.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

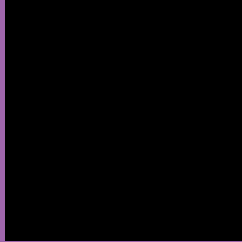
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8522, 0.3017, 0.2261

Background



This preview shows how black text looks on a background with the Yxy color 19.8522, 0.3017, 0.2261.



This preview shows how white text looks on a background with the Yxy color 19.8522, 0.3017, 0.2261.

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

19.8522, 0.3017, 0.2261

Protanopia

20.0149, 0.2313, 0.2187

Deuteranopia

20.0612, 0.2546, 0.2496



Tritanopia

19.8908, 0.3532, 0.3141

Trichromacy



Original Color

19.8522, 0.3017, 0.2261

Protanomaly

19.4770, 0.2520, 0.2197

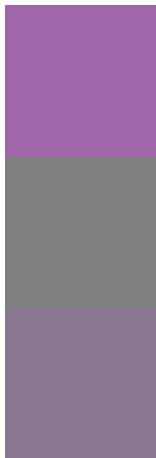
Deuteranomaly

19.7152, 0.2704, 0.2402

Tritanomaly

19.7993, 0.3345, 0.2793

Monochromacy



Original Color

19.8522, 0.3017, 0.2261

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.4290, 0.3098, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8522, 0.3017, 0.2261 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, 102, 172)` looks like.

```
.text, #text, p{  
    color:rgb(159, 102, 172)  
}
```

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, 102, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 102, 172) }
```

Border

The CSS property to change the border of an element to Yxy 19.8522, 0.3017, 0.2261 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, 102, 172) }
```

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

```
.border{ border-color:rgb(159, 102, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 102, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 102, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 102, 172); box-shadow:4px 4px 4px 4px rgb(159, 102, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8522, 0.3017, 0.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 102, 172) }
```

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

```
.background{ background-color: rgb(159,  
102, 172) }
```

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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