

Converting Colors

$Y_{xy}(18.2929, 0.3106, 0.2351)$

Have a look what the booklet for
Yxy(18.2929, 0.3106, 0.2351)
contains.

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Color

Yxy(18.4303, 0.3107, 0.2354)

Conversions

Conversions Part 1

Format	Color
Hex	9B63A0
RGB	155, 99, 160
RGB Percent	61%, 39%, 63%
CMY	0.3921, 0.6118, 0.3725
CMYK	0.03, 0.38, 0.00, 0.37
HSL	295°, 24%, 51%
HSV	295°, 38%, 63%
XYZ	24.3258, 18.4303, 35.5374
YIQ	122.6980, 13.7950, 30.8430

Conversions

Conversions Part 2

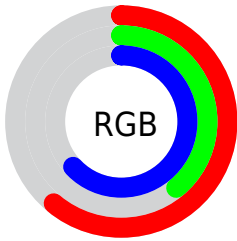
Format	Color
R_{YB}	155, 99, 160
Decimal	10183584
CIE _{Lab}	50.01, 32.91, -23.88
CIE _{LCh}	50, 40.664, 324.030
Yxy	18.4303, 0.3107, 0.2354
Android (android.graphics.Color)	4288373664 (0xFF9B63A0)
YUV	122.6980, 18.3899, 28.3289
Hunter-Lab	42.9305, 26.0154, -19.0283

Details

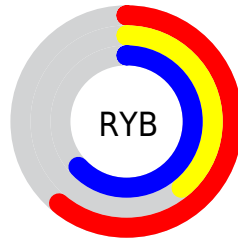
The Yxy color $18.4303, 0.3107, 0.2354$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $28.9894, 0.3119, 0.4403$, and the grayscale version is $19.6382, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.7412, 0.3116, 0.2544$, and $6.1887, 0.3067, 0.2035$ is the 20% darker color. If you saturate the color by 10%, you get $15.5646, 0.3096, 0.2122$, and if you desaturate by 10%, it is $21.8997, 0.3115, 0.2599$.

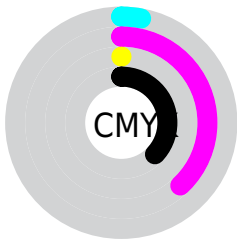
Distribution



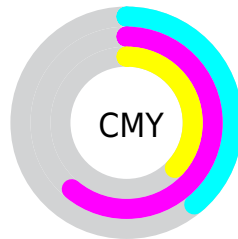
- Red (61%)
- Green (39%)
- Blue (63%)



- Red (61%)
- Yellow (39%)
- Blue (63%)



- Cyan (3%)
- Magenta (38%)
- Yellow (0%)
- Black (37%)




- Cyan (39%)
- Magenta (61%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4303, 0.3107, 0.2354 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 18.4303, 0.3107, 0.2354 by changing the saturation by 10% instead.


 18.4303, 0.3107,
0.2354


 18.4303, 0.3107,
0.2354


243.2854, 0.3132,
0.2855


 11.2594, 0.3094,
0.2219


 40.7692, 0.3121,
0.2544


 6.2416, 0.3072,
0.2039


 56.7059, 0.3124,
0.2613

 2.9925, 0.3031,
0.1791

 76.3334, 0.3127,
0.2670

 1.1278, 0.2949,
0.1433

 100.0360, 0.3129,
0.2719

 0.0015, 0.3020,
0.0006

128.1981, 0.3130,
0.2760

 0.0000, 0.0000,
0.0000

161.2041, 0.3131,

0.2796

199.4384, 0.3132,
0.2828

■ 18.4303, 0.3107,
0.2354

■ 18.4303, 0.3107,
0.2354

■ 15.5646, 0.3096,
0.2122

■ 21.8997, 0.3115,
0.2599

■ 13.2645, 0.3083,
0.1913

■ 26.0032, 0.3121,
0.2849

■ 11.4915, 0.3067,
0.1736


■ 30.7718, 0.3125,
0.3096

■ 10.2010, 0.3049,
0.1597


■ 36.2341, 0.3127,
0.3334

■ 9.3411, 0.3030,
0.1500

■ 42.4168, 0.3128,
0.3559


 8.8184, 0.3010,
0.1440

 49.3452, 0.3127,
0.3769

 8.7307, 0.3006,
0.1430

 57.0435, 0.3126,
0.3963

 65.5347, 0.3124,
0.4140

 74.8408, 0.3121,
0.4302

Harmonies

Analogous

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



18.4303, 0.2413, 0.2143



18.4303, 0.3107, 0.2354



18.4303, 0.3900, 0.2754

Triad

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



18.4303, 0.3107, 0.2354



18.4303, 0.4347, 0.4376



18.4303, 0.1916, 0.3066

Complementary

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



18.4303, 0.3107, 0.2354



28.9894, 0.3119, 0.4403

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.



18.4303, 0.2333, 0.3888



18.4303, 0.3107, 0.2354



18.4303, 0.3733, 0.4702

Square

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



18.4303, 0.3107, 0.2354



18.4303, 0.4653, 0.3844



18.4303, 0.2995, 0.4557



18.4303, 0.1798, 0.2461

Rectangle

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



18.4303, 0.3107, 0.2354



18.4303, 0.4340, 0.3093



18.4303, 0.2995, 0.4557



18.4303, 0.2022, 0.3328

Sweetspot

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



18.4311, 0.3107, 0.2354



53.0641, 0.3124, 0.3020



15.1086, 0.2460, 0.2259



11.3951, 0.3124, 0.2989



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.4311, 0.3107, 0.2354



28.8460, 0.3098, 0.2150



18.1360, 0.3505, 0.2728



6.7269, 0.3125, 0.3069



6.8092, 0.3008, 0.1431



0.1291, 0.3094, 0.1478

Inverse Universe

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



17.3978, 0.3961, 0.3211



26.7367, 0.4260, 0.3194



29.2637, 0.2875, 0.3935



6.6545, 0.3272, 0.3272



5.8477, 0.6284, 0.3235



0.1068, 0.5779, 0.2957

Previews

White Background



This preview shows how the Yxy color 18.4303, 0.3107, 0.2354 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 18.4303, 0.3107, 0.2354 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 18.4303, 0.3107, 0.2354

Background



This preview shows how black text looks on a background with the Yxy color 18.4303, 0.3107, 0.2354.



This preview shows how white text looks on a background with the Yxy color 18.4303, 0.3107, 0.2354.

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

18.4303, 0.3107, 0.2354

Protanopia

18.5453, 0.2405, 0.2303

Deuteranopia

18.5364, 0.2639, 0.2574



Tritanopia

18.3756, 0.3589, 0.3154

Trichromacy



Original Color

18.4303, 0.3107, 0.2354

Protanomaly

18.0814, 0.2622, 0.2299

Deuteranomaly

18.1325, 0.2793, 0.2470

Tritanomaly

18.3484, 0.3405, 0.2843

Monochromacy



Original Color

18.4303, 0.3107, 0.2354

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.9631, 0.3133, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4303, 0.3107, 0.2354 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(155, 99, 160)` looks like.

```
.text, #text, p{  
    color:rgb(155, 99, 160)  
}
```

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(155, 99, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 99, 160) }
```

Border

The CSS property to change the border of an element to Yxy 18.4303, 0.3107, 0.2354 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(155, 99, 160) }
```

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

```
.border{ border-color:rgb(155, 99, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 99, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 99, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 99, 160);  
box-shadow:4px 4px 4px 4px rgb(155, 99,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4303, 0.3107, 0.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 99, 160) }
```

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

```
.background{ background-color: rgb(155, 99,  
160) }
```

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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