

Converting Colors

$Y_{xy}(19.2708, 0.3120, 0.2502)$

Have a look what the booklet for
Yxy(19.2708, 0.3120, 0.2502)
contains.

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Color

Yxy(19.1789, 0.3114, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	98699C
RGB	152, 105, 156
RGB Percent	60%, 41%, 61%
CMY	0.4041, 0.5881, 0.3883
CMYK	0.03, 0.33, 0.00, 0.39
HSL	295°, 20%, 51%
HSV	295°, 33%, 61%
XYZ	23.9948, 19.1789, 33.8809
YIQ	124.8670, 11.6410, 25.8250

Conversions

Conversions Part 2

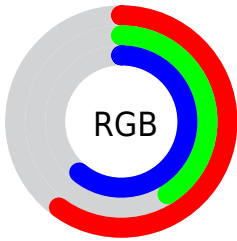
Format	Color
R_{YB}	152, 105, 156
Decimal	9988508
CIE _{Lab}	50.90, 27.66, -20.19
CIE _{LCh}	51, 34.247, 323.875
Yxy	19.1789, 0.3114, 0.2489
Android (android.graphics.Color)	4288178588 (0xFF98699C)
YUV	124.8670, 15.3486, 23.7956
Hunter-Lab	43.7937, 21.1621, -15.2140

Details

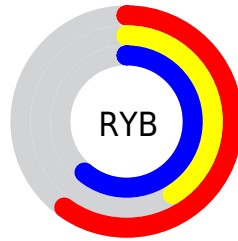
The Yxy color **19.1789, 0.3114, 0.2489** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.0447, 0.3121, 0.4218**, and the grayscale version is **20.4059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0825, 0.3121, 0.2651**, and **6.6555, 0.3081, 0.2212** is the 20% darker color. If you saturate the color by 10%, you get **16.1695, 0.3105, 0.2250**, and if you desaturate by 10%, it is **22.7740, 0.3120, 0.2737**.

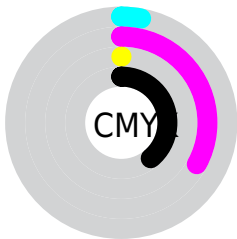
Distribution



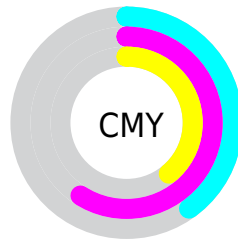
- Red (60%)
- Green (41%)
- Blue (61%)



- Red (60%)
- Yellow (41%)
- Blue (61%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (39%)




- Cyan (40%)
- Magenta (59%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1789, 0.3114, 0.2489 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 19.1789, 0.3114, 0.2489 by changing the saturation by 10% instead.


 19.1789, 0.3114,
0.2489


 19.1789, 0.3114,
0.2489


247.4346, 0.3131,
0.2921


 11.7996, 0.3105,
0.2370


 42.0362, 0.3124,
0.2654

 6.6074, 0.3089,
0.2212


 58.2830, 0.3126,
0.2713

 3.2178, 0.3059,
0.1989

 78.2544, 0.3128,
0.2763

 1.2465, 0.2997,
0.1659

 102.3348, 0.3129,
0.2804

 0.0992, 0.3076,
0.0396

130.9087, 0.3130,
0.2840

 0.0000, 0.0000,
0.0000

164.3603, 0.3131,

0.2871

203.0742, 0.3131,
0.2898

■ 19.1789, 0.3114,
0.2489

■ 19.1789, 0.3114,
0.2489

■ 16.1695, 0.3105,
0.2250

■ 22.7740, 0.3120,
0.2737

■ 13.7115, 0.3094,
0.2028

■ 26.9818, 0.3125,
0.2985

■ 11.7707, 0.3081,
0.1833


■ 31.8306, 0.3127,
0.3227

■ 10.3081, 0.3065,
0.1672


■ 37.3463, 0.3128,
0.3458


■ 9.2793, 0.3047,
0.1553

■ 43.5531, 0.3127,
0.3675

 8.6315, 0.3029,
0.1475

 50.4744, 0.3126,
0.3876

 8.3008, 0.3015,
0.1434

 58.1321, 0.3123,
0.4061

 66.5475, 0.3121,
0.4229

 75.7407, 0.3117,
0.4382

Harmonies

Analogous

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



19.1789, 0.2526, 0.2308



19.1789, 0.3114, 0.2489



19.1789, 0.3770, 0.2838

Triad

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



19.1789, 0.3114, 0.2489



19.1789, 0.4168, 0.4223



19.1789, 0.2101, 0.3121

Complementary

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



19.1789, 0.3114, 0.2489



28.0447, 0.3121, 0.4218

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.



19.1789, 0.2469, 0.3787



19.1789, 0.3114, 0.2489



19.1789, 0.3659, 0.4463

Square

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



19.1789, 0.3114, 0.2489



19.1789, 0.4406, 0.3784



19.1789, 0.3036, 0.4322



19.1789, 0.1991, 0.2604

Rectangle

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



19.1789, 0.3114, 0.2489



19.1789, 0.4132, 0.3134



19.1789, 0.3036, 0.4322



19.1789, 0.2196, 0.3337

Sweetspot

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



19.1797, 0.3114, 0.2489



51.0860, 0.3125, 0.3046



16.3995, 0.2570, 0.2432



11.0000, 0.3125, 0.3014



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.1797, 0.3114, 0.2489



30.8545, 0.3108, 0.2318



18.9163, 0.3435, 0.2811



6.7280, 0.3125, 0.3069



6.8460, 0.3016, 0.1435



0.1295, 0.3099, 0.1481

Inverse Universe

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



18.2791, 0.3798, 0.3225



28.9941, 0.4014, 0.3211



28.2882, 0.2907, 0.3826



6.6542, 0.3272, 0.3273



5.8466, 0.6289, 0.3238



0.1067, 0.5800, 0.2969

Previews

White Background



This preview shows how the Yxy color 19.1789, 0.3114, 0.2489 looks on a white background.

Color Contrast Check

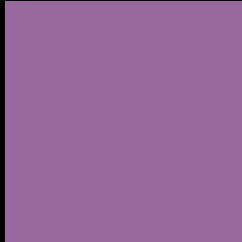
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1789, 0.3114, 0.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

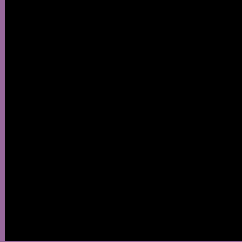
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1789, 0.3114, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 19.1789, 0.3114, 0.2489.



This preview shows how white text looks on a background with the Yxy color 19.1789, 0.3114, 0.2489.

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

19.1789, 0.3114, 0.2489

Protanopia

19.4111, 0.2530, 0.2471

Deuteranopia

19.2755, 0.2742, 0.2685



Tritanopia

19.1719, 0.3481, 0.3137

Trichromacy



Original Color

19.1789, 0.3114, 0.2489

Protanomaly

19.1909, 0.2717, 0.2477

Deuteranomaly

19.1135, 0.2872, 0.2607

Tritanomaly

19.0481, 0.3344, 0.2874

Monochromacy



Original Color

19.1789, 0.3114, 0.2489

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.8853, 0.3130, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1789, 0.3114, 0.2489 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(152, 105, 156)` looks like.

```
.text, #text, p{  
    color:rgb(152, 105, 156)  
}
```

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(152, 105, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 105, 156) }
```

Border

The CSS property to change the border of an element to Yxy 19.1789, 0.3114, 0.2489 is called "border". The border property can be set on classes, ids or directly on the HTML element.

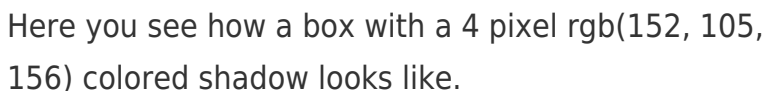
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 105, 156) }
```

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

```
.border{ border-color:rgb(152, 105, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 105, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 105, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 105, 156);  
box-shadow:4px 4px 4px 4px rgb(152, 105,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1789, 0.3114, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 105, 156) }
```

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

```
.background{ background-color: rgb(152,  
105, 156) }
```

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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