

Converting Colors

XYZ(20.3216, 15.5507, 20.2454)

Have a look what the booklet for
XYZ(20.3216, 15.5507, 20.2454)
contains.

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Color

**XYZ(20.3059, 15.4898,
20.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	995A7A
RGB	153, 90, 122
RGB Percent	60%, 35%, 48%
CMY	0.4000, 0.6470, 0.5216
CMYK	0.00, 0.41, 0.20, 0.40
HSL	330°, 26%, 48%
HSV	330°, 41%, 60%
XYZ	20.3059, 15.4898, 20.3319
YIQ	112.4850, 27.2760, 23.3080

Conversions

Conversions Part 2

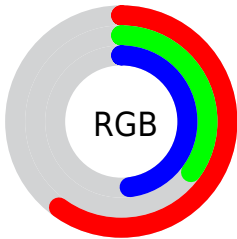
Format	Color
R_{YB}	153, 90, 122
Decimal	10050170
CIE _{Lab}	46.30, 30.38, -6.90
CIE _{LCh}	46, 31.153, 347.195
Yxy	15.4898, 0.3618, 0.2760
Android (android.graphics.Color)	4288240250 (0xFF995A7A)
YUV	112.4850, 4.6909, 35.5317
Hunter-Lab	39.3571, 23.2204, -3.0793

Details

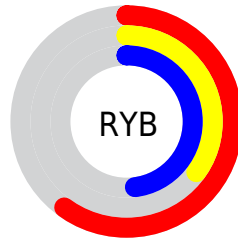
The XYZ color **20.3059, 15.4898, 20.3319** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.0596, 26.3371, 22.1695**, and the grayscale version is **15.5251, 16.3337, 17.7874**.

A 20% lighter version of the original color is **43.4594, 35.6611, 44.6371**, and **7.2861, 4.8463, 6.8547** is the 20% darker color. If you saturate the color by 10%, you get **18.6972, 12.9901, 17.5825**, and if you desaturate by 10%, it is **22.2173, 18.5367, 23.3608**.

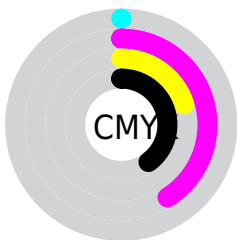
Distribution



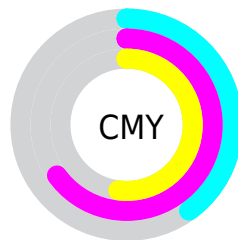
- Red (60%)
- Green (35%)
- Blue (48%)



- Red (60%)
- Yellow (35%)
- Blue (48%)



- Cyan (0%)
- Magenta (41%)
- Yellow (20%)
- Black (40%)



- Cyan (40%)
- Magenta (65%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3059, 15.4898, 20.3319 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 XYZ color 20.3059, 15.4898, 20.3319 by changing the saturation by 10% instead.

■ 20.3059, 15.4898,
20.3319

■ 20.3059, 15.4898,
20.3319

246.3685,
226.3120, 266.3697

■ 12.7272, 9.1639,
12.4501

■ 43.4295, 35.7102,
44.8392

■ 7.3166, 4.8482,
6.9247

■ 59.7051, 50.3734,
62.3018

■ 3.7090, 2.1585,
3.3373

■ 79.6103, 68.5845,
83.7950

■ 1.5388, 0.6972,
1.2694

■ 103.5105, 90.7279,
109.7374

■ 0.3520, 0.0000,
0.0365

131.7710,
117.1879, 140.5475

■ 0.0000, 0.0000,
0.0000

164.7573,

148.3490, 176.6439

202.8347,
184.5956, 218.4451

■ 20.3059, 15.4898,
20.3319

■ 20.3059, 15.4898,
20.3319

■ 18.6972, 12.9901,
17.5825

■ 22.2173, 18.5367,
23.3608

■ 17.3726, 11.0023,
15.1020

■ 24.4459, 22.1589,
26.6776

■ 16.3135, 9.4903,
12.8802

■ 27.0067, 26.3854,
30.2911

■ 15.4982, 8.4122,
10.9056

■ 29.9135, 31.2422,
34.2096

■ 14.9016, 7.7189,
9.1651

■ 33.1793, 36.7542,
38.4410

■ 14.5017, 7.3183,
7.8016

■ 36.8161, 42.9447,
42.9927

■ 40.8357, 49.8358,
47.8721

■ 45.2493, 57.4489,
53.0861

■ 50.0674, 65.8040,
58.6414

Harmonies

Analogous

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



18.8111, 15.4898, 28.9321



20.3059, 15.4898, 20.3319



20.1803, 15.4898, 12.8888

Triad

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



20.3059, 15.4898, 20.3319



13.2591, 15.4898, 6.3721



11.5080, 15.4898, 30.0861

Complementary

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



20.3059, 15.4898, 20.3319



19.0596, 26.3371, 22.1695

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.



10.3499, 15.4898, 21.5867



20.3059, 15.4898, 20.3319



11.2741, 15.4898, 8.7300

Square

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



20.3059, 15.4898, 20.3319



15.8877, 15.4898, 6.2213



10.2698, 15.4898, 13.8178



13.6158, 15.4898, 35.6048

Rectangle

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



20.3059, 15.4898, 20.3319



19.1933, 15.4898, 9.4588



10.2698, 15.4898, 13.8178



11.0064, 15.4898, 27.3837

Sweetspot

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



20.3064, 15.4905, 20.3322



47.8491, 46.3953, 53.5339



17.2149, 13.6384, 31.8624



10.4431, 10.0416, 11.6508



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.3064, 15.4905, 20.3322



33.8041, 23.7537, 32.0559



18.6841, 14.8416, 11.7897



6.3331, 6.2724, 7.1344



12.0023, 6.0551, 6.5369



0.1978, 0.0979, 0.1944

Inverse Universe

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



20.3064, 15.4905, 20.3322



33.8041, 23.7537, 32.0559



21.2716, 27.2219, 33.8177



6.3331, 6.2724, 7.1344



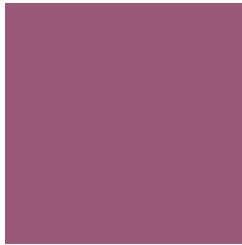
12.0023, 6.0551, 6.5369



0.1978, 0.0979, 0.1944

Previews

White Background



This preview shows how the XYZ color 20.3059, 15.4898, 20.3319 looks on a white background.

Color Contrast Check

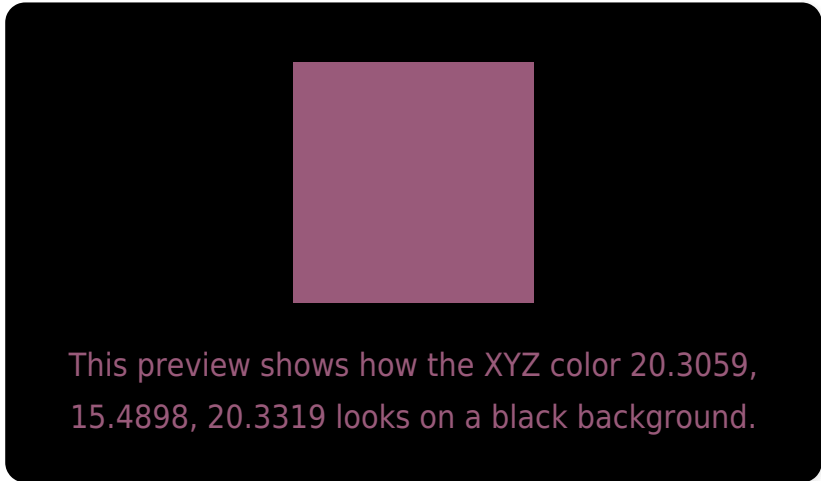
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 20.3059, 15.4898, 20.3319

Background



This preview shows how black text looks on a background with the XYZ color 20.3059, 15.4898, 20.3319.



This preview shows how white text looks on a background with the XYZ color 20.3059, 15.4898,

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

20.3059, 15.4898, 20.3319

Protanopia

15.5507, 15.6296, 25.1189

Deuteranopia

15.9236, 15.6292, 19.6302



Tritanopia

19.1142, 15.5243, 14.3010

Trichromacy



Original Color

20.3059, 15.4898, 20.3319

Protanomaly

16.8067, 15.2520, 23.1772

Deuteranomaly

17.2498, 15.4093, 19.8344

Tritanomaly

19.6236, 15.6082, 16.4464

Monochromacy



Original Color

20.3059, 15.4898, 20.3319

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.8551, 15.6736, 18.6599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3059, 15.4898, 20.3319 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(153, 90, 122)` looks like.

```
.text, #text, p{  
  color:rgb(153, 90, 122)  
}
```

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(153, 90, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 90, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.3059, 15.4898, 20.3319 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(153, 90, 122) }
```


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

```
.border{ border-color:rgb(153, 90, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 90, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 90, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 90, 122);  
box-shadow:4px 4px 4px 4px rgb(153, 90,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3059, 15.4898, 20.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 90, 122) }
```

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

```
.background{ background-color: rgb(153, 90,  
122) }
```

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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