

Converting Colors

XYZ(19.8153, 10.2585, 37.3997)

Have a look what the booklet for
XYZ(19.8153, 10.2585, 37.3997)
contains.

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Color

**XYZ(19.7598, 10.2300,
37.4923)**

Conversions

Conversions Part 1

Format	Color
Hex	9422A7
RGB	148, 34, 167
RGB Percent	58%, 13%, 65%
CMY	0.4196, 0.8666, 0.3451
CMYK	0.11, 0.80, 0.00, 0.35
HSL	291°, 66%, 39%
HSV	291°, 80%, 65%
XYZ	19.7598, 10.2300, 37.4923
YIQ	83.2480, 25.2510, 65.5310

Conversions

Conversions Part 2

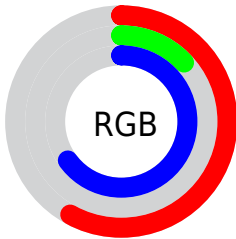
Format	Color
R_{YB}	148, 34, 167
Decimal	9708199
CIE _{Lab}	38.25, 62.35, -46.64
CIE _{LCh}	38, 77.870, 323.202
Yxy	10.2300, 0.2928, 0.1516
Android (android.graphics.Color)	4287898279 (0xFF9422A7)
YUV	83.2480, 41.2897, 56.7875
Hunter-Lab	31.9844, 54.3038, -47.1111

Details

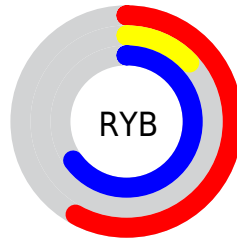
The XYZ color **19.7598, 10.2300, 37.4923** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.5760, 28.5101, 6.1959**, and the grayscale version is **8.1881, 8.6145, 9.3812**.

A 20% lighter version of the original color is **42.4105, 26.1356, 72.6214**, and **7.5515, 3.5421, 16.2053** is the 20% darker color. If you saturate the color by 10%, you get **18.9661, 9.2763, 37.3502**, and if you desaturate by 10%, it is **20.7951, 11.6529, 37.7125**.

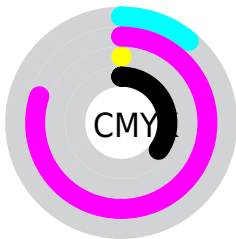
Distribution



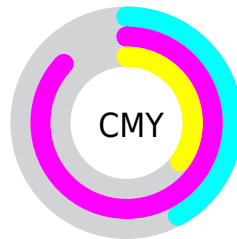
- Red (58%)
- Green (13%)
- Blue (65%)



- Red (58%)
- Yellow (13%)
- Blue (65%)



- Cyan (11%)
- Magenta (80%)
- Yellow (0%)
- Black (35%)



- Cyan (42%)
- Magenta (87%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7598, 10.2300, 37.4923 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 19.7598, 10.2300, 37.4923 by changing the saturation by 10% instead.

■ 19.7598, 10.2300,
37.4923

■ 19.7598, 10.2300,
37.4923

243.4702,
192.3058, 350.6697

■ 12.3278, 5.5517,
25.2901

■ 42.5211, 26.2272,
72.5241

■ 7.0411, 2.5745,
16.0724

■ 58.5812, 38.3149,
96.1907

■ 3.5344, 0.9138,
9.4205

■ 78.2479, 53.6413,
124.5160

■ 1.4423, 0.0000,
4.9159

■ 101.8868, 72.5906,
157.9183

■ 0.2860, 0.0000,
2.1401

■ 129.8631, 95.5473,
196.8163

■ 0.0000, 0.0000,
0.6395

■ 162.5422,

■ 0.0000, 0.0000,

122.8959, 241.6285

0.0000

200.2895,
155.0205, 292.7735

■ 19.7598, 10.2300,
37.4923

■ 19.7598, 10.2300,
37.4923

■ 18.9661, 9.2763,
37.3502

■ 20.7951, 11.6529,
37.7125

■ 18.3492, 8.6634,
37.2644

■ 22.1004, 13.6030,
38.0201

■ 18.3276, 8.6425,
37.2615

■ 23.7016, 16.1314,
38.4238

■ 25.6209, 19.2827,
38.9309

■ 27.8786, 23.0972,
39.5482

■ 30.4931, 27.6117,
40.2818

■ 33.4815, 32.8603,
41.1373

■ 36.8598, 38.8750,
42.1202

■ 40.6429, 45.6857,
43.2354

Harmonies

Analogous

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



14.0742, 10.2300, 61.2616



19.7598, 10.2300, 37.4923



22.9093, 10.2300, 14.7666

Triad

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



19.7598, 10.2300, 37.4923



10.9190, 10.2300, 0.0000



3.2492, 10.2300, 26.0863

Complementary

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



19.7598, 10.2300, 37.4923



15.5760, 28.5101, 6.1959

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.



2.9158, 10.2300, 8.1598



19.7598, 10.2300, 37.4923



6.3765, 10.2300, 0.0000

Square

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



19.7598, 10.2300, 37.4923



16.7793, 10.2300, 0.2515



3.8349, 10.2300, 1.4036



4.9884, 10.2300, 51.5640

Rectangle

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



19.7598, 10.2300, 37.4923



22.5772, 10.2300, 5.9167



3.8349, 10.2300, 1.4036



3.0011, 10.2300, 18.7768

Sweetspot

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



19.7602, 10.2304, 37.4925



52.2831, 45.4116, 71.4850



8.9520, 5.7644, 37.2001



11.3476, 9.5556, 15.8985



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.7602, 10.2304, 37.4925



33.0855, 15.7529, 66.7721



19.9263, 10.7270, 18.9338



7.7350, 7.6115, 9.4798



14.0558, 6.6295, 28.5143



0.3698, 0.1756, 0.6951

Inverse Universe

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



17.1513, 9.6170, 4.3210



28.9914, 15.0441, 3.2431



15.9472, 28.5651, 12.3703



7.5732, 7.5591, 8.0695



12.3312, 6.3412, 1.2898



0.3127, 0.1593, 0.0980

Previews

White Background



This preview shows how the XYZ color 19.7598, 10.2300, 37.4923 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

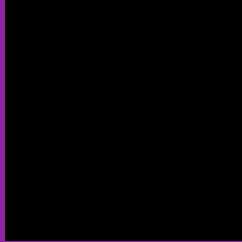
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7598, 10.2300, 37.4923

Background



This preview shows how black text looks on a background with the XYZ color 19.7598, 10.2300, 37.4923.



This preview shows how white text looks on a background with the XYZ color 19.7598, 10.2300,

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

19.7598, 10.2300, 37.4923

Protanopia

12.3526, 10.5246, 47.8348

Deuteranopia

10.7980, 10.5350, 33.8121



Tritanopia

13.7111, 10.2625, 8.0957

Trichromacy



Original Color

19.7598, 10.2300, 37.4923



Protanomaly

11.7251, 8.1732, 43.6074



Deuteranomaly

11.8281, 8.6994, 34.7740



Tritanomaly

15.0886, 9.7057, 15.5461

Monochromacy



Original Color

19.7598, 10.2300, 37.4923



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

10.9910, 8.1213, 16.9079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7598, 10.2300, 37.4923 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(148, 34, 167)` looks like.

```
.text, #text, p{  
    color:rgb(148, 34, 167)  
}
```

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(148, 34, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 34, 167) }
```

Border

The CSS property to change the border of an element to XYZ 19.7598, 10.2300, 37.4923 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(148, 34, 167) }
```


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

```
.border{ border-color:rgb(148, 34, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 34, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 34, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 34, 167); box-shadow:4px 4px 4px 4px rgb(148, 34, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7598, 10.2300, 37.4923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 34, 167) }
```

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

```
.background{ background-color: rgb(148, 34,  
167) }
```

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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