

Converting Colors

XYZ(19.5262, 10.8483, 31.2011)

Have a look what the booklet for
XYZ(19.5262, 10.8483, 31.2011)
contains.

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Color

**XYZ(19.4893, 10.8332,
31.2008)**

Conversions

Conversions Part 1

Format	Color
Hex	972E99
RGB	151, 46, 153
RGB Percent	59%, 18%, 60%
CMY	0.4078, 0.8196, 0.4000
CMYK	0.01, 0.70, 0.00, 0.40
HSL	299°, 54%, 39%
HSV	299°, 70%, 60%
XYZ	19.4893, 10.8332, 31.2008
YIQ	89.5930, 28.2330, 55.5370

Conversions

Conversions Part 2

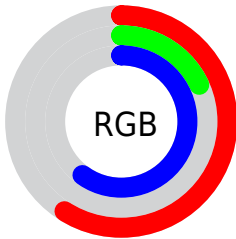
Format	Color
R_{YB}	151, 46, 153
Decimal	9907865
CIE _{Lab}	39.30, 56.49, -36.51
CIE _{LCh}	39, 67.262, 327.121
Yxy	10.8332, 0.3168, 0.1761
Android (android.graphics.Color)	4288097945 (0xFF972E99)
YUV	89.5930, 31.2597, 53.8539
Hunter-Lab	32.9138, 48.0962, -33.1645

Details

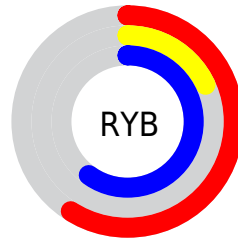
The XYZ color **19.4893, 10.8332, 31.2008** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.1036, 23.6083, 6.4515**, and the grayscale version is **9.5559, 10.0535, 10.9483**.

A 20% lighter version of the original color is **42.0513, 27.2713, 62.7221**, and **7.1728, 3.4264, 12.5952** is the 20% darker color. If you saturate the color by 10%, you get **18.9419, 9.8166, 31.0336**, and if you desaturate by 10%, it is **20.2507, 12.2768, 31.4395**.

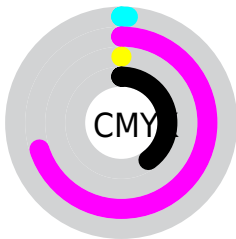
Distribution



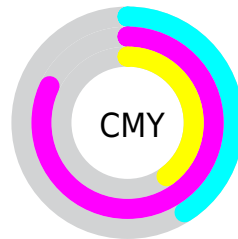
- Red (59%)
- Green (18%)
- Blue (60%)



- Red (59%)
- Yellow (18%)
- Blue (60%)



- Cyan (1%)
- Magenta (70%)
- Yellow (0%)
- Black (40%)



- Cyan (41%)
- Magenta (82%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4893, 10.8332, 31.2008 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 19.4893, 10.8332, 31.2008 by changing the saturation by 10% instead.

■ 19.4893, 10.8332,
31.2008

■ 19.4893, 10.8332,
31.2008

242.0234,
196.5196, 321.8421

■ 12.1305, 5.9548,
20.4921

■ 42.0698, 27.3513,
62.6394

■ 6.9054, 2.8176,
12.5656

■ 58.0222, 39.7598,
84.2062

■ 3.4488, 1.0373,
7.0029

■ 77.5697, 55.4471,
110.2296

■ 1.3953, 0.0000,
3.3854

■ 101.0779, 74.7976,
141.1279

■ 0.2529, 0.0000,
1.2947

■ 128.9120, 98.1957,
177.3198

■ 0.0000, 0.0000,
0.0574

■ 161.4374,

■ 0.0000, 0.0000,

126.0258, 219.2238

0.0000

199.0194,
158.6723, 267.2584

■ 19.4893, 10.8332,
31.2008

■ 19.4893, 10.8332,
31.2008

■ 18.9419, 9.8166,
31.0336

■ 20.2507, 12.2768,
31.4395

■ 18.5833, 9.1780,
30.9292

■ 21.2452, 14.1868,
31.7557

■ 18.3551, 8.7999,
30.8683

■ 22.4912, 16.5995,
32.1557

■ 18.3536, 8.7974,
30.8679

■ 24.0048, 19.5474,
32.6450

■ 25.8011, 23.0602,
33.2283

■ 27.8937, 27.1656,
33.9105

■ 30.2955, 31.8892,
34.6956

■ 33.0186, 37.2552,
35.5878

■ 36.0745, 43.2866,
36.5910

Harmonies

Analogous

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



14.8036, 10.8332, 50.8873



19.4893, 10.8332, 31.2008



21.6867, 10.8332, 13.0942

Triad

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



19.4893, 10.8332, 31.2008



10.7406, 10.8332, 0.0404



4.3237, 10.8332, 27.2289

Complementary

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



19.4893, 10.8332, 31.2008



13.1036, 23.6083, 6.4515

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.



3.8138, 10.8332, 10.5856



19.4893, 10.8332, 31.2008



6.8121, 10.8332, 0.5516

Square

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



19.4893, 10.8332, 31.2008



15.7907, 10.8332, 0.7877



4.5738, 10.8332, 2.7708



6.2524, 10.8332, 47.6365

Rectangle

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



19.4893, 10.8332, 31.2008



21.0759, 10.8332, 5.8668



4.5738, 10.8332, 2.7708



4.0107, 10.8332, 20.7771

Sweetspot

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



19.4897, 10.8337, 31.2010



45.6966, 40.2992, 59.3420



7.9990, 5.1255, 30.7049



9.9059, 8.5377, 13.0433



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.



19.4897, 10.8337, 31.2010



33.5164, 16.8485, 55.4576



16.5657, 9.7073, 13.8507



6.4498, 6.3178, 7.8085



15.1722, 7.2726, 25.5118



0.2299, 0.1103, 0.3815

Inverse Universe

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



14.6477, 8.9401, 3.7503



24.3410, 13.2730, 2.8649



14.6266, 24.2069, 14.9523



6.2132, 6.2245, 6.5030



10.8718, 5.6029, 0.5837



0.1636, 0.0842, 0.0145

Previews

White Background



This preview shows how the XYZ color 19.4893, 10.8332, 31.2008 looks on a white background.

Color Contrast Check

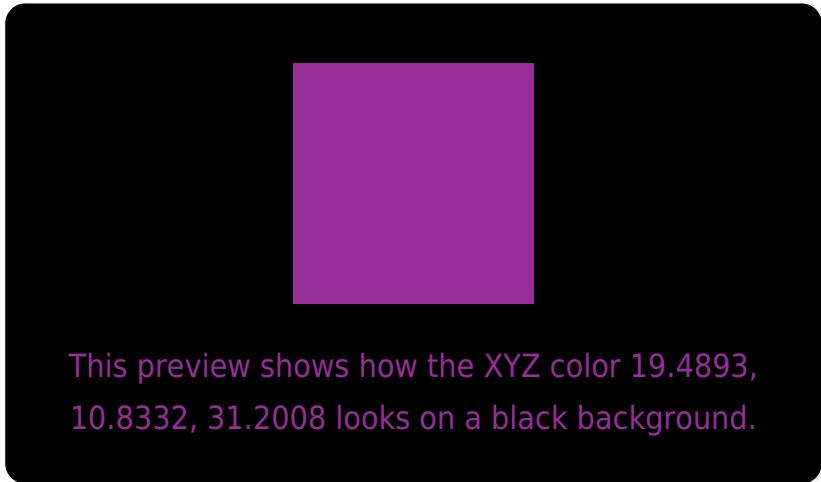
Large Text (above 18pt) WCAG AA ✓ Pass

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

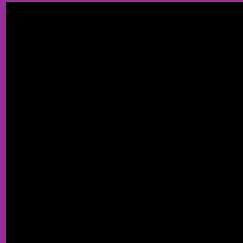
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4893, 10.8332, 31.2008

Background



This preview shows how black text looks on a background with the XYZ color 19.4893, 10.8332, 31.2008.



This preview shows how white text looks on a background with the XYZ color 19.4893, 10.8332,

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

19.4893, 10.8332, 31.2008

Protanopia

13.1706, 11.1181, 51.3210

Deuteranopia

11.3494, 11.0623, 28.7312



Tritanopia

14.8122, 10.9213, 8.3485

Trichromacy



Original Color

19.4893, 10.8332, 31.2008



Protanomaly

12.0602, 8.9241, 43.2064



Deuteranomaly

12.9390, 9.8802, 29.6589



Tritanomaly

16.0044, 10.5947, 14.5661

Monochromacy



Original Color

19.4893, 10.8332, 31.2008



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

12.1115, 9.5346, 16.8248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4893, 10.8332, 31.2008 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(151, 46, 153)` looks like.

```
.text, #text, p{  
    color:rgb(151, 46, 153)  
}
```

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(151, 46, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 46, 153) }
```

Border

The CSS property to change the border of an element to XYZ 19.4893, 10.8332, 31.2008 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(151, 46, 153) }
```


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

```
.border{ border-color:rgb(151, 46, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 46, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 46, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 46, 153);  
box-shadow:4px 4px 4px 4px rgb(151, 46,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4893, 10.8332, 31.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 46, 153) }
```

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

```
.background{ background-color: rgb(151, 46,  
153) }
```

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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