

Converting Colors

XYZ(19.3939, 11.1434, 30.9641)

Have a look what the booklet for
XYZ(19.3939, 11.1434, 30.9641)
contains.

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Color

**XYZ(19.4732, 11.2070,
30.8426)**

Conversions

Conversions Part 1

Format	Color
Hex	963498
RGB	150, 52, 152
RGB Percent	59%, 20%, 60%
CMY	0.4118, 0.7961, 0.4039
CMYK	0.01, 0.66, 0.00, 0.40
HSL	299°, 49%, 40%
HSV	299°, 66%, 60%
XYZ	19.4732, 11.2070, 30.8426
YIQ	92.7020, 26.3080, 51.8760

Conversions

Conversions Part 2

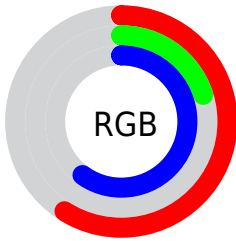
Format	Color
R_{YB}	150, 52, 152
Decimal	9843864
CIE _{Lab}	39.93, 53.70, -34.92
CIE _{LCh}	40, 64.054, 326.961
Yxy	11.2070, 0.3165, 0.1822
Android (android.graphics.Color)	4288033944 (0xFF963498)
YUV	92.7020, 29.2339, 50.2503
Hunter-Lab	33.4769, 45.2474, -31.1907

Details

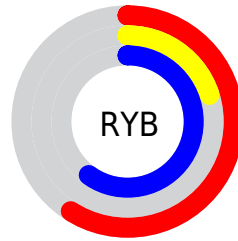
The XYZ color **19.4732, 11.2070, 30.8426** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.3697, 23.4889, 7.0784**, and the grayscale version is **10.2655, 10.8001, 11.7614**.

A 20% lighter version of the original color is **42.1486, 28.0785, 62.2297**, and **7.1241, 3.4069, 12.3387** is the 20% darker color. If you saturate the color by 10%, you get **18.8451, 10.0333, 30.6493**, and if you desaturate by 10%, it is **20.3208, 12.8186, 31.1092**.

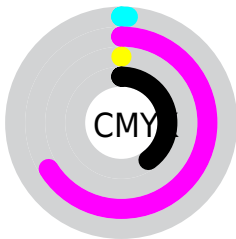
Distribution



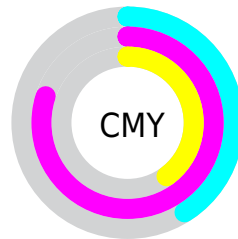
- Red (59%)
- Green (20%)
- Blue (60%)



- Red (59%)
- Yellow (20%)
- Blue (60%)



- Cyan (1%)
- Magenta (66%)
- Yellow (0%)
- Black (40%)



- Cyan (41%)
- Magenta (80%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4732, 11.2070, 30.8426 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 19.4732, 11.2070, 30.8426 by changing the saturation by 10% instead.

19.4732, 11.2070,
30.8426

19.4732, 11.2070,
30.8426

241.9371,
199.0822, 320.1412

12.1187, 6.2062,
20.2216

42.0429, 28.0423,
62.0688

6.8974, 2.9709,
12.3705

57.9888, 40.6457,
83.5111

3.4438, 1.1166,
6.8710

77.5293, 56.5520,
109.3976

1.3925, 0.0000,
3.3043

101.0297, 76.1457,
140.1467

0.2509, 0.0000,
1.2520

128.8553, 99.8112,
176.1771

0.0000, 0.0000,
0.0220

161.3715,

0.0000, 0.0000,

127.9328, 217.9073

0.0000

198.9436,
160.8951, 265.7559

■ 19.4732, 11.2070,
30.8426

■ 19.4732, 11.2070,
30.8426

■ 18.8451, 10.0333,
30.6493

■ 20.3208, 12.8186,
31.1092

■ 18.4133, 9.2525,
30.5214

■ 21.4054, 14.9047,
31.4546

■ 18.1478, 8.8040,
30.4488

■ 22.7446, 17.4994,
31.8849

■ 18.0550, 8.6530,
30.4245

■ 24.3536, 20.6337,
32.4051

■ 26.2466, 24.3357,
33.0199

■ 28.4368, 28.6318,
33.7336

■ 30.9364, 33.5467,
34.5506

■ 33.7572, 39.1036,
35.4745

■ 36.9102, 45.3247,
36.5091

Harmonies

Analogous

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



14.9840, 11.2070, 49.2438



19.4732, 11.2070, 30.8426



21.5799, 11.2070, 13.5379

Triad

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



19.4732, 11.2070, 30.8426



11.1085, 11.2070, 0.3409



4.7346, 11.2070, 26.8815

Complementary

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



19.4732, 11.2070, 30.8426



13.3697, 23.4889, 7.0784

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.



4.2236, 11.2070, 10.9580



19.4732, 11.2070, 30.8426



7.2474, 11.2070, 0.8213

Square

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



19.4732, 11.2070, 30.8426



15.9844, 11.2070, 1.0618



5.0017, 11.2070, 3.1663



6.6607, 11.2070, 46.0473

Rectangle

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



19.4732, 11.2070, 30.8426



21.0128, 11.2070, 6.3945



5.0017, 11.2070, 3.1663



4.4195, 11.2070, 20.7598

Sweetspot

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



19.4736, 11.2075, 30.8428



44.7262, 39.8200, 57.7624



8.4662, 5.7617, 30.3718



9.9721, 8.6721, 13.0658



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.



19.4736, 11.2075, 30.8428



32.8606, 16.9738, 53.9780



16.7442, 10.1586, 14.5335



6.4490, 6.3174, 7.8084



15.1419, 7.2570, 25.5104



0.2297, 0.1102, 0.3815

Inverse Universe

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



14.8431, 9.3981, 4.5221



24.1181, 13.5692, 3.7639



14.8810, 24.0813, 15.5854



6.2135, 6.2246, 6.5047



10.8728, 5.6033, 0.5890



0.1637, 0.0842, 0.0150

Previews

White Background



This preview shows how the XYZ color 19.4732, 11.2070, 30.8426 looks on a white background.

Color Contrast Check

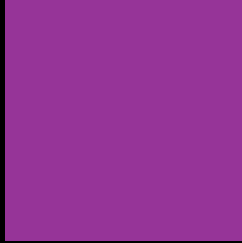
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.4732, 11.2070, 30.8426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

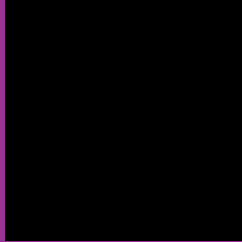
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4732, 11.2070, 30.8426

Background



This preview shows how black text looks on a background with the XYZ color 19.4732, 11.2070, 30.8426.



This preview shows how white text looks on a background with the XYZ color 19.4732, 11.2070,

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

19.4732, 11.2070, 30.8426

Protanopia

13.5479, 11.6044, 49.6699

Deuteranopia

11.7288, 11.5308, 28.3956



Tritanopia

15.0521, 11.2275, 8.9632

Trichromacy



Original Color

19.4732, 11.2070, 30.8426



Protanomaly

13.3144, 9.8982, 42.2831



Deuteranomaly

13.2869, 10.3827, 29.3207



Tritanomaly

16.2268, 10.9568, 14.8953

Monochromacy



Original Color

19.4732, 11.2070, 30.8426



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

12.7011, 10.2411, 17.2269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4732, 11.2070, 30.8426 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(150, 52, 152)` looks like.

```
.text, #text, p{  
  color:rgb(150, 52, 152)  
}
```

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(150, 52, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 52, 152) }
```

Border

The CSS property to change the border of an element to XYZ 19.4732, 11.2070, 30.8426 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(150, 52, 152) }
```


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

```
.border{ border-color:rgb(150, 52, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 52, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 52, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 52, 152);  
box-shadow:4px 4px 4px 4px rgb(150, 52,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4732, 11.2070, 30.8426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 52, 152) }
```

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

```
.background{ background-color: rgb(150, 52,  
152) }
```

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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