

Converting Colors

XYZ(19.9191, 11.6676, 31.4878)

Have a look what the booklet for
XYZ(19.9191, 11.6676, 31.4878)
contains.

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Color

**XYZ(19.9264, 11.7076,
31.3465)**

Conversions

Conversions Part 1

Format	Color
Hex	973899
RGB	151, 56, 153
RGB Percent	59%, 22%, 60%
CMY	0.4078, 0.7804, 0.4000
CMYK	0.01, 0.63, 0.00, 0.40
HSL	299°, 46%, 41%
HSV	299°, 63%, 60%
XYZ	19.9264, 11.7076, 31.3465
YIQ	95.4630, 25.4830, 50.3070

Conversions

Conversions Part 2

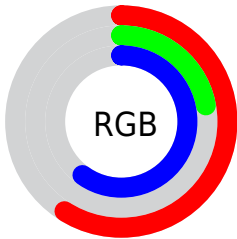
Format	Color
R_{YB}	151, 56, 153
Decimal	9910425
CIE Lab	40.75, 52.43, -34.22
CIE LCh	41, 62.608, 326.868
Yxy	11.7076, 0.3164, 0.1859
Android (android.graphics.Color)	4288100505 (0xFF973899)
YUV	95.4630, 28.3657, 48.7059
Hunter-Lab	34.2164, 44.0734, -30.3656

Details

The XYZ color **19.9264, 11.7076, 31.3465** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.8504, 23.9678, 7.6383**, and the grayscale version is **10.9186, 11.4872, 12.5096**.

A 20% lighter version of the original color is **42.9735, 29.1158, 63.0295**, and **7.2787, 3.4810, 12.6002** is the 20% darker color. If you saturate the color by 10%, you get **19.2367, 10.4147, 31.1335**, and if you desaturate by 10%, it is **20.8437, 13.4549, 31.6356**.

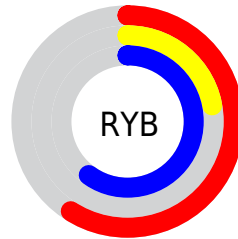
Distribution



Red (59%)

Green (22%)

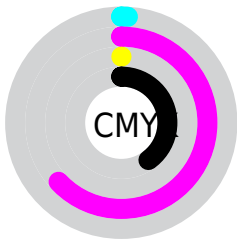
Blue (60%)



Red (59%)

Yellow (22%)

Blue (60%)

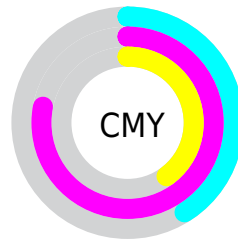


Cyan (1%)

Magenta (63%)

Yellow (0%)

Black (40%)



Cyan (41%)


Magenta (78%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9264, 11.7076, 31.3465 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 19.9264, 11.7076, 31.3465 by changing the saturation by 10% instead.


 19.9264, 11.7076,
31.3465

 19.9264, 11.7076,
31.3465


244.3576,
202.4598, 322.5320


 12.4495, 6.5449,
20.6022


 42.7986, 28.9614,
62.8711

 7.1250, 3.1792,
12.6451


 58.9247, 41.8213,
84.4885


 3.5874, 1.2260,
7.0568


 78.6645, 58.0158,
110.5674

 1.4715, 0.0828,
3.4187

 102.3835, 77.9292,
141.5262

 0.3063, 0.0000,
1.3122

 130.4469,
101.9459, 177.7835

 0.0000, 0.0000,
0.0717

 163.2201,

 0.0000, 0.0000,

130.4503, 219.7579

0.0000

201.0686,
163.8268, 267.8679

■ 19.9264, 11.7076,
31.3465

■ 19.9264, 11.7076,
31.3465

■ 19.2367, 10.4147,
31.1335

■ 20.8437, 13.4549,
31.6356

■ 18.7520, 9.5318,
30.9886

■ 22.0061, 15.6924,
32.0062

■ 18.4472, 9.0085,
30.9036

■ 23.4308, 18.4543,
32.4642

■ 18.2992, 8.7694,
30.8653

■ 25.1331, 21.7711,
33.0147

■ 27.1270, 25.6711,
33.6624

■ 29.4259, 30.1806,
34.4116

■ 32.0420, 35.3243,
35.2666

■ 34.9869, 41.1256,
36.2311

■ 38.2719, 47.6067,
37.3090

Harmonies

Analogous

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



15.4532, 11.7076, 49.4092



19.9264, 11.7076, 31.3465



22.0260, 11.7076, 14.1321

Triad

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



19.9264, 11.7076, 31.3465



11.6012, 11.7076, 0.5411



5.1133, 11.7076, 27.3134

Complementary

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



19.9264, 11.7076, 31.3465



13.8504, 23.9678, 7.6383

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.



4.5906, 11.7076, 11.4566



19.9264, 11.7076, 31.3465



7.6956, 11.7076, 1.0077

Square

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



19.9264, 11.7076, 31.3465



16.4819, 11.7076, 1.2747



5.3964, 11.7076, 3.5048



7.0803, 11.7076, 46.1825

Rectangle

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



19.9264, 11.7076, 31.3465



21.4713, 11.7076, 6.8838



5.3964, 11.7076, 3.5048



4.7901, 11.7076, 21.2482

Sweetspot

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



19.9268, 11.7081, 31.3467



46.3817, 41.6689, 59.5703



8.9572, 6.2933, 30.8797



10.0413, 8.8096, 13.0887



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.



19.9268, 11.7081, 31.3467



34.0521, 17.9180, 55.6358



17.2441, 10.6783, 15.2660



6.4486, 6.3172, 7.8084



15.1275, 7.2496, 25.5097



0.2296, 0.1101, 0.3815

Inverse Universe

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



15.3152, 9.9067, 5.1086



25.1671, 14.4585, 4.5792



15.3846, 24.5683, 16.3126



6.2137, 6.2246, 6.5055



10.8732, 5.6035, 0.5915



0.1638, 0.0843, 0.0152

Previews

White Background



This preview shows how the XYZ color 19.9264, 11.7076, 31.3465 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 19.9264, 11.7076, 31.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

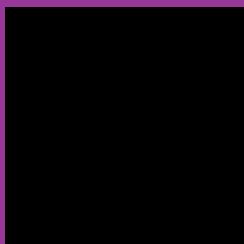
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9264, 11.7076, 31.3465

Background



This preview shows how black text looks on a background with the XYZ color 19.9264, 11.7076, 31.3465.



This preview shows how white text looks on a background with the XYZ color 19.9264, 11.7076,

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

19.9264, 11.7076, 31.3465

Protanopia

13.9943, 12.1077, 49.1764

Deuteranopia

12.1188, 11.8575, 28.8441



Tritanopia

15.5429, 11.7719, 9.6366

Trichromacy



Original Color

19.9264, 11.7076, 31.3465

Protanomaly

13.9999, 10.5818, 41.8621

Deuteranomaly

13.7341, 10.8215, 29.7987

Tritanomaly

16.6890, 11.4499, 15.5178

Monochromacy



Original Color

19.9264, 11.7076, 31.3465

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.1650, 10.7907, 17.9119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9264, 11.7076, 31.3465 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, 56, 153)` looks like.

```
.text, #text, p{  
    color:rgb(151, 56, 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, 56, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 56, 153) }
```

Border

The CSS property to change the border of an element to XYZ 19.9264, 11.7076, 31.3465 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, 56, 153) }
```


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

```
.border{ border-color:rgb(151, 56, 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, 56, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 56, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 56, 153);  
box-shadow:4px 4px 4px 4px rgb(151, 56,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9264, 11.7076, 31.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 56, 153) }
```

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

```
.background{ background-color: rgb(151, 56,  
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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