

Converting Colors

XYZ(23.9358, 18.4679, 33.1780)

Have a look what the booklet for
XYZ(23.9358, 18.4679, 33.1780)
contains.

XYZ(23.9911, 18.4495, 33.3070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9911, 18.4495,
33.3070)**

Conversions

Conversions Part 1

Format	Color
Hex	9B649B
RGB	155, 100, 155
RGB Percent	61%, 39%, 61%
CMY	0.3922, 0.6078, 0.3922
CMYK	0.00, 0.35, 0.00, 0.39
HSL	300°, 22%, 50%
HSV	300°, 35%, 61%
XYZ	23.9911, 18.4495, 33.3070
YIQ	122.7150, 15.1250, 28.7650

Conversions

Conversions Part 2

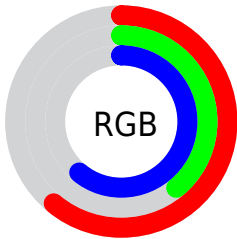
Format	Color
R _{YB}	155, 100, 155
Decimal	10183835
CIE _{Lab}	50.04, 31.35, -20.90
CIE _{LCh}	50, 37.678, 326.307
Yxy	18.4495, 0.3167, 0.2436
Android (android.graphics.Color)	4288373915 (0xFF9B649B)
YUV	122.7150, 15.9165, 28.3139
Hunter-Lab	42.9529, 24.5327, -15.9083

Details

The XYZ color **23.9911, 18.4495, 33.3070** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2779, 27.0726, 16.2671**, and the grayscale version is **18.6793, 19.6521, 21.4011**.

A 20% lighter version of the original color is **49.4394, 40.8113, 66.2444**, and **9.2760, 6.2507, 13.8143** is the 20% darker color. If you saturate the color by 10%, you get **22.6437, 15.7544, 32.8581**, and if you desaturate by 10%, it is **25.6225, 21.7120, 33.8510**.

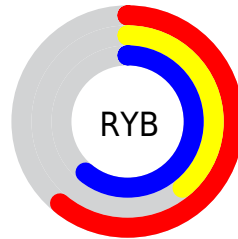
Distribution



Red (61%)

Green (39%)

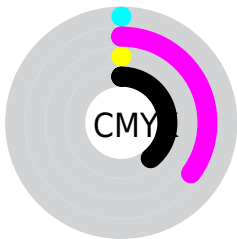
Blue (61%)



Red (61%)

Yellow (39%)

Blue (61%)

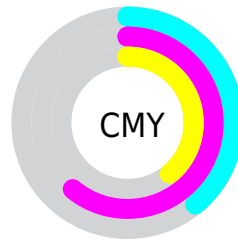


Cyan (0%)

Magenta (35%)

Yellow (0%)

Black (39%)



Cyan (39%)


Magenta (61%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9911, 18.4495, 33.3070 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 23.9911, 18.4495, 33.3070 by changing the saturation by 10% instead.


 23.9911, 18.4495,
33.3070


 23.9911, 18.4495,
33.3070


265.2168,
243.3926, 331.7052


 15.4517, 11.2732,
22.0887


 49.4705, 40.8018,
65.9761


 9.2254, 6.2509,
13.7231


 67.1411, 56.7465,
88.2639

 4.9468, 2.9982,
7.7918


 88.5863, 76.3829,
115.0786

 2.2505, 1.1308,
3.8762

 114.1713,
100.0953, 146.8389

 0.7692, 0.0041,
1.5577

144.2615,
128.2680, 183.9631

 0.0000, 0.0000,
0.2603

179.2222,

 0.0000, 0.0000,

161.2856, 226.8698

0.0000

219.4189,
199.5323, 275.9777

■ 23.9911, 18.4495,
33.3070

■ 23.9911, 18.4495,
33.3070

■ 22.6437, 15.7544,
32.8581

■ 25.6225, 21.7120,
33.8510

■ 21.5625, 13.5919,
32.4977

■ 27.5510, 25.5689,
34.4938

■ 20.7303, 11.9276,
32.2203

■ 29.7909, 30.0488,
35.2405

■ 20.1274, 10.7217,
32.0193

■ 32.3552, 35.1774,
36.0952

■ 19.7308, 9.9285,
31.8871

■ 35.2561, 40.9791,
37.0622

■ 19.5102, 9.4872,
31.8135

■ 38.5051, 47.4771,
38.1452

■ 19.4341, 9.3352,
31.7882

■ 42.1132, 54.6933,
39.3479

■ 46.0910, 62.6489,
40.6739

■ 50.4486, 71.3641,
42.1264

Harmonies

Analogous

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



20.8064, 18.4495, 43.7940



23.9911, 18.4495, 33.3070



25.4432, 18.4495, 21.4005

Triad

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



23.9911, 18.4495, 33.3070



17.9881, 18.4495, 6.0354



12.0047, 18.4495, 30.2865

Complementary

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



23.9911, 18.4495, 33.3070



19.2779, 27.0726, 16.2671

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.



11.4641, 18.4495, 18.8310



23.9911, 18.4495, 33.3070



14.6271, 18.4495, 6.9897

Square

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



23.9911, 18.4495, 33.3070



21.6893, 18.4495, 7.6446



12.3565, 18.4495, 10.9317



13.9494, 18.4495, 41.6696

Rectangle

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



23.9911, 18.4495, 33.3070



25.1042, 18.4495, 14.9928



12.3565, 18.4495, 10.9317



11.6654, 18.4495, 26.2246

Sweetspot

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



23.9917, 18.4503, 33.3074



50.9826, 49.0750, 62.3216



15.7300, 14.1912, 32.9208



11.4285, 10.8856, 14.0692



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.9917, 18.4503, 33.3074



40.9152, 28.9402, 58.9658



21.9388, 17.6292, 22.4972



6.4612, 6.3237, 7.8090



15.6095, 7.4980, 25.5322



0.2334, 0.1121, 0.3817

Inverse Universe

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



23.9917, 18.4503, 33.3074



40.9152, 28.9402, 58.9658



20.8410, 27.6979, 24.4985



6.4612, 6.3237, 7.8090



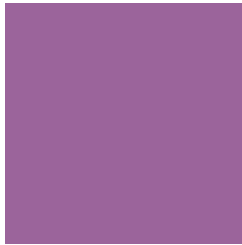
15.6095, 7.4980, 25.5322



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 23.9911, 18.4495, 33.3070 looks on a white background.

Color Contrast Check

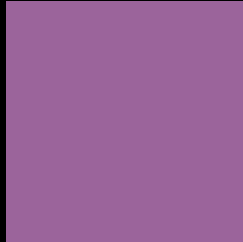
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.9911, 18.4495, 33.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

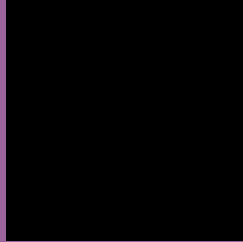
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9911, 18.4495, 33.3070

Background



This preview shows how black text looks on a background with the XYZ color 23.9911, 18.4495, 33.3070.



This preview shows how white text looks on a background with the XYZ color 23.9911, 18.4495,

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

23.9911, 18.4495, 33.3070

Protanopia

19.2552, 18.7271, 39.6456

Deuteranopia

18.9682, 18.5670, 32.2898



Tritanopia

21.0926, 18.4701, 18.9764

Trichromacy



Original Color

23.9911, 18.4495, 33.3070

Protanomaly

20.4637, 18.2242, 37.0894

Deuteranomaly

20.4875, 18.3359, 32.5964

Tritanomaly

22.0297, 18.3903, 23.5077

Monochromacy



Original Color

23.9911, 18.4495, 33.3070

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.4956, 19.1616, 25.5400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9911, 18.4495, 33.3070 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(155, 100, 155)` looks like.

```
.text, #text, p{  
    color:rgb(155, 100, 155)  
}
```

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(155, 100, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 100, 155) }
```

Border

The CSS property to change the border of an element to XYZ 23.9911, 18.4495, 33.3070 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(155, 100, 155) }
```


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

```
.border{ border-color:rgb(155, 100, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 100, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 100, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 100, 155);  
box-shadow:4px 4px 4px 4px rgb(155, 100,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9911, 18.4495, 33.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 100, 155) }
```

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

```
.background{ background-color: rgb(155,  
100, 155) }
```

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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