

Converting Colors

XYZ(20.9500, 15.9933, 22.9659)

Have a look what the booklet for
XYZ(20.9500, 15.9933, 22.9659)
contains.

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Color

**XYZ(20.9933, 16.0383,
23.1083)**

Conversions

Conversions Part 1

Format	Color
Hex	995C82
RGB	153, 92, 130
RGB Percent	60%, 36%, 51%
CMY	0.4000, 0.6392, 0.4902
CMYK	0.00, 0.40, 0.15, 0.40
HSL	323°, 25%, 48%
HSV	323°, 40%, 60%
XYZ	20.9933, 16.0383, 23.1083
YIQ	114.5710, 24.1580, 24.7500

Conversions

Conversions Part 2

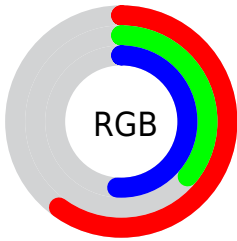
Format	Color
R _Y B	153, 92, 130
Decimal	10050690
CIE Lab	47.02, 30.58, -10.63
CIE LCh	47, 32.377, 340.825
Yxy	16.0383, 0.3491, 0.2667
Android (android.graphics.Color)	4288240770 (0xFF995C82)
YUV	114.5710, 7.6065, 33.7022
Hunter-Lab	40.0478, 23.4869, -6.1779

Details

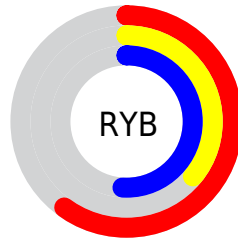
The XYZ color **20.9933, 16.0383, 23.1083** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.9001, 26.2961, 20.3004**, and the grayscale version is **16.1391, 16.9795, 18.4907**.

A 20% lighter version of the original color is **44.3821, 36.4737, 49.5007**, and **7.6414, 5.1048, 8.3672** is the 20% darker color. If you saturate the color by 10%, you get **19.4229, 13.4999, 20.7276**, and if you desaturate by 10%, it is **22.8540, 19.1223, 25.6933**.

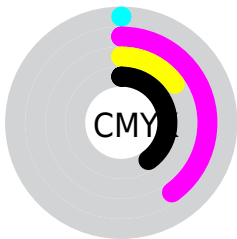
Distribution



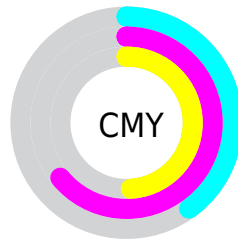
- Red (60%)
- Green (36%)
- Blue (51%)



- Red (60%)
- Yellow (36%)
- Blue (51%)



- Cyan (0%)
- Magenta (40%)
- Yellow (15%)
- Black (40%)



- Cyan (40%)
- Magenta (64%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9933, 16.0383, 23.1083 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 20.9933, 16.0383, 23.1083 by changing the saturation by 10% instead.

■ 20.9933, 16.0383,
23.1083

■ 20.9933, 16.0383,
23.1083

249.9753,
229.5676, 281.4207

■ 13.2315, 9.5513,
14.4674

■ 44.5677, 36.6647,
49.4965

■ 7.6663, 5.1025,
8.3040

■ 61.1111, 51.5728,
68.0810

■ 3.9322, 2.3075,
4.1996

■ 81.3124, 70.0568,
90.8171

■ 1.6638, 0.7777,
1.7354

■ 105.5370, 92.5009,
118.1233

■ 0.4335, 0.0000,
0.3849

134.1503,
119.2897, 150.4183

■ 0.0000, 0.0000,
0.0000

167.5175,

150.8075, 188.1205

206.0040,
187.4386, 231.6484

■ 20.9933, 16.0383,
23.1083

■ 20.9933, 16.0383,
23.1083

■ 19.4229, 13.4999,
20.7276

■ 22.8540, 19.1223,
25.6933

■ 18.1249, 11.4721,
18.5429

■ 25.0189, 22.7794,
28.4883

■ 17.0814, 9.9198,
16.5467


■ 27.5024, 27.0381,
31.5001


■ 16.2717, 8.8020,
14.7302


■ 30.3178, 31.9242,
34.7346


■ 15.6716, 8.0710,
13.0835


■ 33.4776, 37.4620,
38.1976

 15.2223, 7.6100,
11.5851

 36.9935, 43.6747,
41.8946

 15.2166, 7.6042,
11.5659

 40.8766, 50.5841,
45.8308

 45.1378, 58.2112,
50.0113

 49.7872, 66.5759,
54.4409

Harmonies

Analogous

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



19.0920, 16.0383, 32.1386



20.9933, 16.0383, 23.1083



21.2486, 16.0383, 14.6923

Triad

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



20.9933, 16.0383, 23.1083



14.2430, 16.0383, 6.1802



11.4803, 16.0383, 29.7848

Complementary

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



20.9933, 16.0383, 23.1083



18.9001, 26.2961, 20.3004

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.



10.4927, 16.0383, 20.5617



20.9933, 16.0383, 23.1083



11.9511, 16.0383, 8.1140

Square

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



20.9933, 16.0383, 23.1083



17.1052, 16.0383, 6.4793



10.6536, 16.0383, 12.8212



13.5228, 16.0383, 36.7453

Rectangle

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



20.9933, 16.0383, 23.1083



20.4199, 16.0383, 10.6234



10.6536, 16.0383, 12.8212



11.0261, 16.0383, 26.7451

Sweetspot

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



20.9938, 16.0390, 23.1086



48.1462, 46.5142, 55.0985



16.5649, 13.5571, 31.8810



10.5144, 10.0701, 12.0264



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.



20.9938, 16.0390, 23.1086



35.0215, 24.5551, 37.4972



19.2714, 15.3501, 14.0385



6.3624, 6.2841, 7.2885



12.5927, 6.2913, 9.6460



0.2058, 0.1011, 0.2367

Inverse Universe

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



20.9938, 16.0390, 23.1086



35.0215, 24.5551, 37.4972



20.9060, 27.0985, 30.8633



6.3624, 6.2841, 7.2885



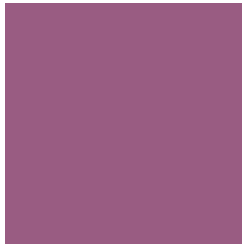
12.5927, 6.2913, 9.6460



0.2058, 0.1011, 0.2367

Previews

White Background



This preview shows how the XYZ color 20.9933, 16.0383, 23.1083 looks on a white background.

Color Contrast Check

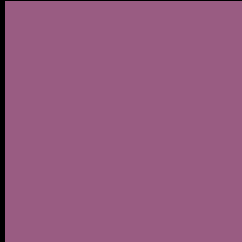
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9933, 16.0383, 23.1083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

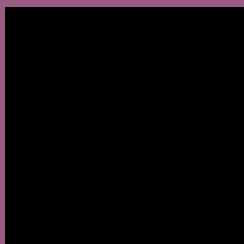
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9933, 16.0383, 23.1083

Background



This preview shows how black text looks on a background with the XYZ color 20.9933, 16.0383, 23.1083.

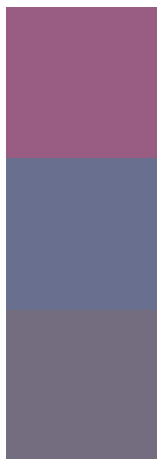


This preview shows how white text looks on a background with the XYZ color 20.9933, 16.0383,

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

20.9933, 16.0383, 23.1083

Protanopia

16.3513, 16.2951, 28.2701

Deuteranopia

16.5019, 16.1826, 22.3325



Tritanopia

19.3511, 16.0329, 15.1714

Trichromacy



Original Color

20.9933, 16.0383, 23.1083

Protanomaly

17.5638, 15.8732, 26.1829

Deuteranomaly

17.7998, 15.9261, 22.5580

Tritanomaly

19.8353, 15.9560, 17.6572

Monochromacy



Original Color

20.9933, 16.0383, 23.1083

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.7011, 16.5386, 20.0286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9933, 16.0383, 23.1083 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(153, 92, 130)` looks like.

```
.text, #text, p{  
  color:rgb(153, 92, 130)  
}
```

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(153, 92, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 92, 130) }
```

Border

The CSS property to change the border of an element to XYZ 20.9933, 16.0383, 23.1083 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(153, 92, 130) }
```


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

```
.border{ border-color:rgb(153, 92, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 92, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 92, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 92, 130);  
box-shadow:4px 4px 4px 4px rgb(153, 92,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9933, 16.0383, 23.1083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 92, 130) }
```

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

```
.background{ background-color: rgb(153, 92,  
130) }
```

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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