

Converting Colors

XYZ(20.7454, 16.8425, 20.8688)

Have a look what the booklet for
XYZ(20.7454, 16.8425, 20.8688)
contains.

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Color

**XYZ(20.7995, 16.9331,
20.9110)**

Conversions

Conversions Part 1

Format	Color
Hex	97637B
RGB	151, 99, 123
RGB Percent	59%, 39%, 48%
CMY	0.4078, 0.6117, 0.5176
CMYK	0.00, 0.34, 0.19, 0.41
HSL	332°, 21%, 49%
HSV	332°, 34%, 59%
XYZ	20.7995, 16.9331, 20.9110
YIQ	117.2840, 23.2880, 18.4880

Conversions

Conversions Part 2

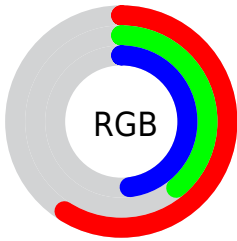
Format	Color
R_{YB}	151, 99, 123
Decimal	9921403
CIE _{Lab}	48.18, 24.69, -4.74
CIE _{LCh}	48, 25.139, 349.126
Yxy	16.9331, 0.3547, 0.2887
Android (android.graphics.Color)	4288111483 (0xFF97637B)
YUV	117.2840, 2.8180, 29.5689
Hunter-Lab	41.1498, 18.2119, -1.3243

Details

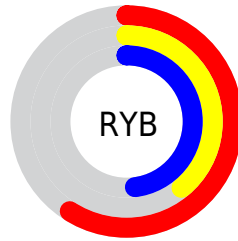
The XYZ color **20.7995, 16.9331, 20.9110** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.0437, 26.3186, 24.1036**, and the grayscale version is **16.9835, 17.8680, 19.4583**.

A 20% lighter version of the original color is **44.0978, 38.0296, 45.5737**, and **7.5654, 5.5147, 7.1443** is the 20% darker color. If you saturate the color by 10%, you get **19.0124, 14.1399, 17.9074**, and if you desaturate by 10%, it is **22.8973, 20.2798, 24.2272**.

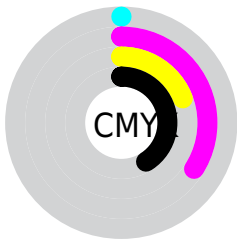
Distribution



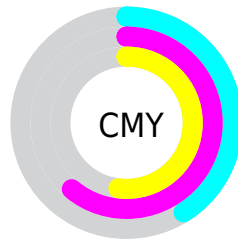
- Red (59%)
- Green (39%)
- Blue (48%)



- Red (59%)
- Yellow (39%)
- Blue (48%)



- Cyan (0%)
- Magenta (34%)
- Yellow (19%)
- Black (41%)




- Cyan (41%)
- Magenta (61%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7995, 16.9331, 20.9110 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 20.7995, 16.9331, 20.9110 by changing the saturation by 10% instead.


 20.7995, 16.9331,
20.9110


 20.7995, 16.9331,
20.9110


248.9629,
234.7866, 269.5706


 13.0891, 10.1868,
12.8684

 44.2474, 38.2107,
45.8182


 7.5674, 5.5230,
7.2083


 60.7157, 53.5108,
63.5199

 3.8689, 2.5573,
3.5123

 80.8339, 72.4310,
85.2783

 1.6282, 0.9052,
1.3618

 104.9676, 95.3556,
111.5120

 0.4107, 0.0000,
0.1116

133.4819,
122.6691, 142.6396

 0.0000, 0.0000,
0.0000

166.7424,

154.7558, 179.0795

205.1143,
192.0002, 221.2503

■ 20.7995, 16.9331,
20.9110

■ 20.7995, 16.9331,
20.9110

■ 19.0124, 14.1399,
17.9074

■ 22.8973, 20.2798,
24.2272

■ 17.5187, 11.8676,
15.2050

■ 25.3192, 24.2055,
27.8647

■ 16.3014, 10.0836,
12.7931

■ 28.0795, 28.7372,
31.8332

■ 15.3409, 8.7508,
10.6597

■ 31.1910, 33.8992,
36.1417

■ 14.6152, 7.8268,
8.7918

■ 34.6662, 39.7147,
40.7985

■ 14.0970, 7.2591,
7.1743

■ 38.5166, 46.2056,
45.8119

■ 13.8582, 7.0176,
6.3668

■ 42.7533, 53.3927,
51.1898

■ 47.3871, 61.2962,
56.9397

■ 52.4282, 69.9352,
63.0692

Harmonies

Analogous

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



19.6455, 16.9331, 27.9440



20.7995, 16.9331, 20.9110



20.6062, 16.9331, 14.6188

Triad

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



20.7995, 16.9331, 20.9110



14.6991, 16.9331, 8.9306



13.3904, 16.9331, 29.6654

Complementary

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



20.7995, 16.9331, 20.9110



20.0437, 26.3186, 24.1036

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.



12.2945, 16.9331, 22.8688



20.7995, 16.9331, 20.9110



12.9993, 16.9331, 11.3758

Square

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



20.7995, 16.9331, 20.9110



16.9364, 16.9331, 8.6450



12.1584, 16.9331, 16.1667



15.2807, 16.9331, 33.7364

Rectangle

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



20.7995, 16.9331, 20.9110



19.7440, 16.9331, 11.5900



12.1584, 16.9331, 16.1667



12.9248, 16.9331, 27.5583

Sweetspot

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



20.8000, 16.9339, 20.9113



47.3612, 46.6502, 52.8381



18.7612, 15.6506, 31.3104



10.6218, 10.3690, 11.8030



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.



20.8000, 16.9339, 20.9113



34.8335, 26.5381, 33.4230



19.6431, 16.7367, 14.0006



6.3214, 6.2677, 7.0728



11.8036, 5.9757, 5.4908



0.1946, 0.0966, 0.1774

Inverse Universe

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



20.8000, 16.9339, 20.9113



34.8335, 26.5381, 33.4230



21.5218, 26.4668, 33.2526



6.3214, 6.2677, 7.0728



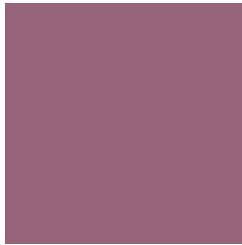
11.8036, 5.9757, 5.4908



0.1946, 0.0966, 0.1774

Previews

White Background



This preview shows how the XYZ color 20.7995, 16.9331, 20.9110 looks on a white background.

Color Contrast Check

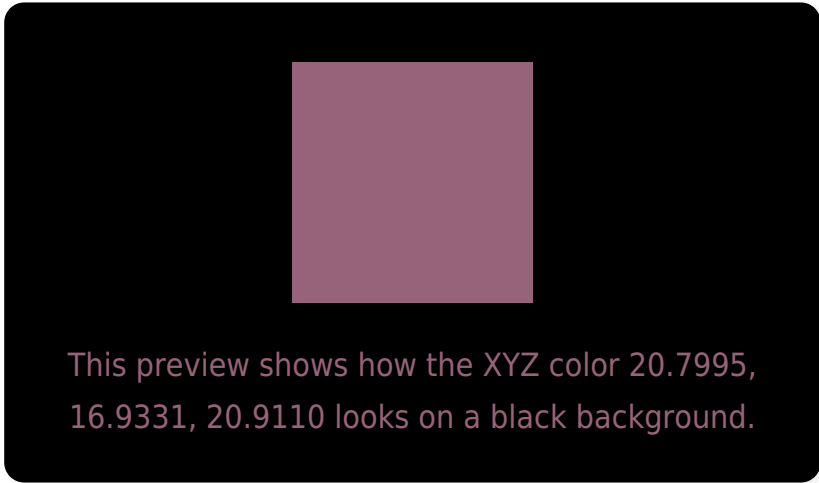
Large Text (above 18pt) WCAG AA ✓ Pass

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

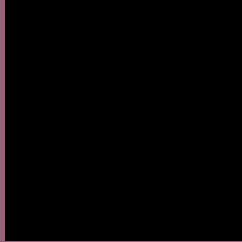
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7995, 16.9331, 20.9110

Background



This preview shows how black text looks on a background with the XYZ color 20.7995, 16.9331, 20.9110.



This preview shows how white text looks on a background with the XYZ color 20.7995, 16.9331,

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

20.7995, 16.9331, 20.9110

Protanopia

16.7377, 17.0801, 24.2444

Deuteranopia

17.3040, 16.9603, 20.4508



Tritanopia

19.8084, 16.8010, 16.6669

Trichromacy



Original Color

20.7995, 16.9331, 20.9110

Protanomaly

18.0353, 16.9579, 23.0915

Deuteranomaly

18.4434, 16.9071, 20.7037

Tritanomaly

20.1721, 16.8133, 18.1017

Monochromacy



Original Color

20.7995, 16.9331, 20.9110

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.9590, 17.1509, 19.8167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7995, 16.9331, 20.9110 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, 99, 123)` looks like.

```
.text, #text, p{  
    color:rgb(151, 99, 123)  
}
```

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, 99, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 99, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.7995, 16.9331, 20.9110 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, 99, 123) }
```


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

```
.border{ border-color:rgb(151, 99, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 99, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 99, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 99, 123);  
box-shadow:4px 4px 4px 4px rgb(151, 99,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7995, 16.9331, 20.9110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 99, 123) }
```

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

```
.background{ background-color: rgb(151, 99,  
123) }
```

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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