

Converting Colors

XYZ(21.0658, 18.8078, 20.4116)

Have a look what the booklet for
XYZ(21.0658, 18.8078, 20.4116)
contains.

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Color

**XYZ(20.9987, 18.7110,
20.2741)**

Conversions

Conversions Part 1

Format	Color
Hex	936E78
RGB	147, 110, 120
RGB Percent	58%, 43%, 47%
CMY	0.4235, 0.5686, 0.5294
CMYK	0.00, 0.25, 0.18, 0.42
HSL	344°, 15%, 50%
HSV	344°, 25%, 58%
XYZ	20.9987, 18.7110, 20.2741
YIQ	122.2030, 18.8420, 10.9540

Conversions

Conversions Part 2

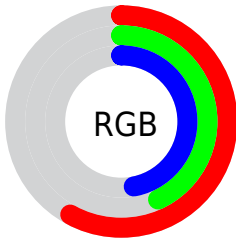
Format	Color
R_{YB}	147, 110, 120
Decimal	9662072
CIE _{Lab}	50.35, 16.29, 0.19
CIE _{LCh}	50, 16.286, 0.653
Yxy	18.7110, 0.3501, 0.3119
Android (android.graphics.Color)	4287852152 (0xFF936E78)
YUV	122.2030, -1.0861, 21.7470
Hunter-Lab	43.2562, 10.9543, 2.4902

Details

The XYZ color **20.9987, 18.7110, 20.2741** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.3803, 25.9890, 27.5577**, and the grayscale version is **18.5646, 19.5314, 21.2697**.

A 20% lighter version of the original color is **44.7238, 41.3758, 44.6588**, and **7.7162, 6.3999, 6.9595** is the 20% darker color. If you saturate the color by 10%, you get **18.9273, 15.5524, 16.5494**, and if you desaturate by 10%, it is **23.4072, 22.4268, 24.4715**.

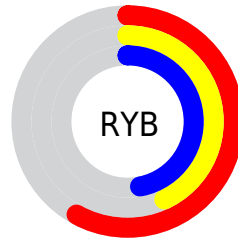
Distribution



Red (58%)

Green (43%)

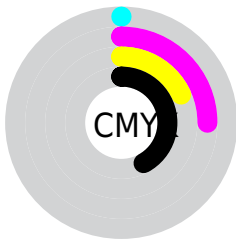
Blue (47%)



Red (58%)

Yellow (43%)

Blue (47%)

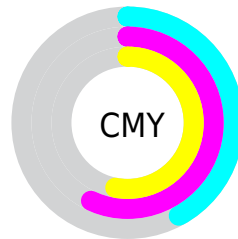


Cyan (0%)

Magenta (25%)

Yellow (18%)

Black (42%)



Cyan (42%)

Magenta (57%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9987, 18.7110, 20.2741 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 20.9987, 18.7110, 20.2741 by changing the saturation by 10% instead.

■ 20.9987, 18.7110,
20.2741

■ 20.9987, 18.7110,
20.2741

250.0034,
244.8486, 266.0483

■ 13.2355, 11.4616,
12.4084

■ 44.5767, 41.2452,
44.7413

■ 7.6690, 6.3782,
6.8965

■ 61.1221, 57.2988,
62.1798

■ 3.9339, 3.0764,
3.3200

■ 81.3258, 77.0560,
83.6463

■ 1.6648, 1.1718,
1.2603

■ 105.5529,
100.9010, 109.5594

■ 0.4341, 0.0385,
0.0289

134.1689,
129.2185, 140.3376

■ 0.0000, 0.0000,
0.0000

167.5390,

162.3926, 176.3995

206.0288,
200.8079, 218.1635

■ 20.9987, 18.7110,
20.2741

■ 20.9987, 18.7110,
20.2741

■ 18.9273, 15.5524,
16.5494

■ 23.4072, 22.4268,
24.4715

■ 17.1762, 12.9214,
13.2794

■ 26.1657, 26.7222,
29.1566

■ 15.7291, 10.7898,
10.4464


■ 29.2881, 31.6217,
34.3450


■ 14.5681, 9.1256,
8.0313


■ 32.7872, 37.1473,
40.0513


■ 13.6729, 7.8932,
6.0131


■ 36.6753, 43.3203,
46.2895


 13.0207, 7.0514,
4.3693


 40.9638, 50.1607,
53.0730

 12.5816, 6.5460,
3.0734

 45.6640, 57.6878,
60.4149

 12.4109, 6.3544,
2.5551

 50.7865, 65.9200,
68.3277

 56.3416, 74.8750,
76.8234

Harmonies

Analogous

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



20.5663, 18.7110, 24.9423



20.9987, 18.7110, 20.2741



20.5282, 18.7110, 16.2509

Triad

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



20.9987, 18.7110, 20.2741



16.2797, 18.7110, 13.7667



16.3363, 18.7110, 28.9383

Complementary

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



20.9987, 18.7110, 20.2741



21.3803, 25.9890, 27.5577

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.



15.2964, 18.7110, 25.1393



20.9987, 18.7110, 20.2741



15.2651, 18.7110, 16.3991

Square

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



20.9987, 18.7110, 20.2741



17.7496, 18.7110, 12.8519



14.9158, 18.7110, 20.4724



17.8189, 18.7110, 30.3717

Rectangle

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



20.9987, 18.7110, 20.2741



19.7810, 18.7110, 14.3576



14.9158, 18.7110, 20.4724



15.9266, 18.7110, 27.8703

Sweetspot

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



20.9992, 18.7119, 20.2745



45.3111, 45.4386, 49.6074



21.0805, 18.5370, 30.0708



10.1825, 10.1216, 11.0516



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.9992, 18.7119, 20.2745



35.5117, 30.3065, 32.5704



21.3281, 20.2905, 17.5453



5.8613, 5.8396, 6.3760



10.7689, 5.5126, 2.2639



0.1428, 0.0719, 0.0855

Inverse Universe

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



20.9992, 18.7119, 20.2745



35.5117, 30.3065, 32.5704



20.9277, 23.8826, 31.1106



5.8613, 5.8396, 6.3760



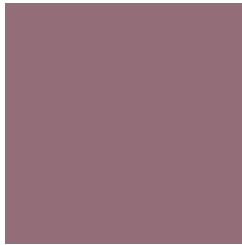
10.7689, 5.5126, 2.2639



0.1428, 0.0719, 0.0855

Previews

White Background



This preview shows how the XYZ color 20.9987, 18.7110, 20.2741 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 20.9987, 18.7110, 20.2741 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 20.9987, 18.7110, 20.2741

Background



This preview shows how black text looks on a background with the XYZ color 20.9987, 18.7110, 20.2741.



This preview shows how white text looks on a background with the XYZ color 20.9987, 18.7110,

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

20.9987, 18.7110, 20.2741

Protanopia

18.1837, 18.7393, 22.0607

Deuteranopia

19.0909, 18.7282, 20.0615



Tritanopia

20.9383, 18.6868, 19.9561

Trichromacy



Original Color

20.9987, 18.7110, 20.2741

Protanomaly

19.0265, 18.6667, 21.3391

Deuteranomaly

19.6636, 18.6849, 20.0229

Tritanomaly

20.9383, 18.6868, 19.9561

Monochromacy



Original Color

20.9987, 18.7110, 20.2741

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.2897, 19.1626, 20.7712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9987, 18.7110, 20.2741 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(147, 110, 120)` looks like.

```
.text, #text, p{  
    color:rgb(147, 110, 120)  
}
```

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(147, 110, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 110, 120) }
```

Border

The CSS property to change the border of an element to XYZ 20.9987, 18.7110, 20.2741 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(147, 110, 120) }
```


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

```
.border{ border-color:rgb(147, 110, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 110, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 110, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 110, 120);  
box-shadow:4px 4px 4px 4px rgb(147, 110,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9987, 18.7110, 20.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 110, 120) }
```

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

```
.background{ background-color: rgb(147,  
110, 120) }
```

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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