

Converting Colors

XYZ(22.0627, 15.9397, 18.4962)

Have a look what the booklet for
XYZ(22.0627, 15.9397, 18.4962)
contains.

XYZ(21.9972, 15.9159, 18.4357)	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(21.9972, 15.9159,
18.4357)**

Conversions

Conversions Part 1

Format	Color
Hex	A55674
RGB	165, 86, 116
RGB Percent	65%, 34%, 45%
CMY	0.3529, 0.6627, 0.5451
CMYK	0.00, 0.48, 0.30, 0.35
HSL	337°, 31%, 49%
HSV	337°, 48%, 65%
XYZ	21.9972, 15.9159, 18.4357
YIQ	113.0410, 37.4540, 26.0780

Conversions

Conversions Part 2

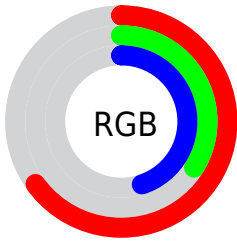
Format	Color
R_{YB}	165, 86, 116
Decimal	10835572
CIE Lab	46.86, 36.02, -2.26
CIE LCh	47, 36.087, 356.412
Yxy	15.9159, 0.3904, 0.2825
Android (android.graphics.Color)	4289025652 (0xFFA55674)
YUV	113.0410, 1.4588, 45.5680
Hunter-Lab	39.8947, 28.6057, 0.5279

Details

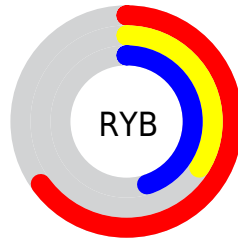
The XYZ color **21.9972, 15.9159, 18.4357** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.6668, 30.6383, 27.6951**, and the grayscale version is **15.6967, 16.5142, 17.9839**.

A 20% lighter version of the original color is **46.2806, 36.5337, 41.6582**, and **8.2298, 5.0586, 6.0115** is the 20% darker color. If you saturate the color by 10%, you get **20.2657, 13.3537, 15.0813**, and if you desaturate by 10%, it is **24.0993, 19.1141, 22.2376**.

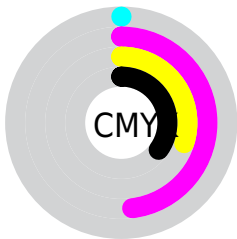
Distribution



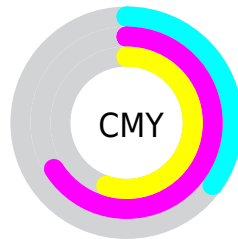
- Red (65%)
- Green (34%)
- Blue (45%)



- Red (65%)
- Yellow (34%)
- Blue (45%)



- Cyan (0%)
- Magenta (48%)
- Yellow (30%)
- Black (35%)



- Cyan (35%)
- Magenta (66%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9972, 15.9159, 18.4357 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 21.9972, 15.9159, 18.4357 by changing the saturation by 10% instead.

21.9972, 15.9159,
18.4357

21.9972, 15.9159,
18.4357

255.1643,
228.8450, 255.6336

13.9714, 9.4647,
11.0906

46.2203, 36.4521,
41.6023

8.1824, 5.0455,
6.0129

63.1483, 51.3059,
58.2608

4.2646, 2.2740,
2.7840

83.7744, 69.7294,
78.8609

1.8529, 0.7599,
0.9854

108.4640, 92.1068,
103.8211

0.5492, 0.0000,
0.0000

137.5824,
118.8227, 133.5599

0.0000, 0.0000,
0.0000

171.4950,

150.2615, 168.4959

210.5672,
186.8074, 209.0476

■ 21.9972, 15.9159,
18.4357

■ 21.9972, 15.9159,
18.4357

■ 20.2657, 13.3537,
15.0813

■ 24.0993, 19.1141,
22.2376

■ 18.8802, 11.3819,
12.1553

■ 26.5919, 22.9852,
26.5031

■ 17.8148, 9.9525,
9.6383

■ 29.4950, 27.5659,
31.2486


■ 17.0394, 9.0087,
7.5085

■ 32.8267, 32.8897,
36.4894

■ 16.5042, 8.4551,
5.7369


■ 36.6043, 38.9879,
42.2398

 16.4046, 8.3543,
5.3999

 40.8437, 45.8900,
48.5139

 45.5603, 53.6240,
55.3249

 50.7687, 62.2163,
62.6856

 56.4829, 71.6926,
70.6085

Harmonies

Analogous

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



20.7418, 15.9159, 28.7780



21.9972, 15.9159, 18.4357



21.2122, 15.9159, 10.7139

Triad

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



21.9972, 15.9159, 18.4357



12.5951, 15.9159, 5.9901



12.0242, 15.9159, 36.1188

Complementary

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



21.9972, 15.9159, 18.4357



21.6668, 30.6383, 27.6951

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.



10.3344, 15.9159, 26.2263



21.9972, 15.9159, 18.4357



10.6305, 15.9159, 9.4092

Square

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



21.9972, 15.9159, 18.4357



15.5090, 15.9159, 5.1586



9.8616, 15.9159, 16.2689



14.7525, 15.9159, 40.9824

Rectangle

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



21.9972, 15.9159, 18.4357



19.6892, 15.9159, 7.5724



9.8616, 15.9159, 16.2689



11.3313, 15.9159, 33.1343

Sweetspot

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



21.9976, 15.9167, 18.4360



54.8927, 52.6627, 59.2572



20.0662, 14.5006, 37.3386



11.7413, 11.0999, 12.5433



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.9976, 15.9167, 18.4360



36.2476, 23.8475, 26.9149



21.3091, 16.8956, 10.9432



7.1799, 7.1284, 7.9335



12.4330, 6.3293, 4.2049



0.2838, 0.1420, 0.2071

Inverse Universe

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



21.9976, 15.9167, 18.4360



36.2476, 23.8475, 26.9149



22.4820, 28.3997, 39.8940



7.1799, 7.1284, 7.9335



12.4330, 6.3293, 4.2049



0.2838, 0.1420, 0.2071

Previews

White Background



This preview shows how the XYZ color 21.9972, 15.9159, 18.4357 looks on a white background.

Color Contrast Check

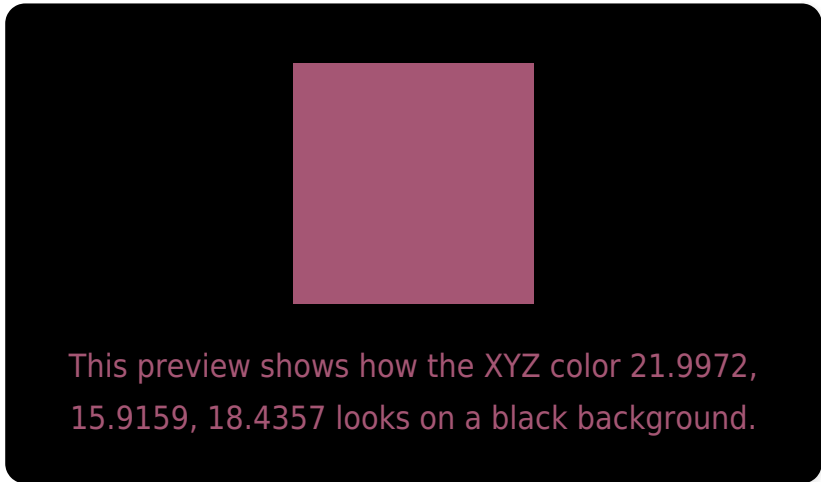
Large Text (above 18pt) WCAG AA ✓ Pass

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

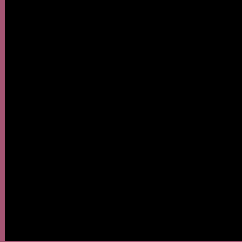
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9972, 15.9159, 18.4357

Background



This preview shows how black text looks on a background with the XYZ color 21.9972, 15.9159, 18.4357.



This preview shows how white text looks on a background with the XYZ color 21.9972, 15.9159,

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

21.9972, 15.9159, 18.4357

Protanopia

15.9655, 16.1957, 23.7573

Deuteranopia

16.3132, 16.0326, 17.5640



Tritanopia

20.8717, 15.9434, 13.0437

Trichromacy



Original Color

21.9972, 15.9159, 18.4357

Protanomaly

17.5705, 15.6762, 21.8384

Deuteranomaly

18.0190, 15.7099, 17.7054

Tritanomaly

21.3304, 16.0165, 14.7992

Monochromacy



Original Color

21.9972, 15.9159, 18.4357

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.4032, 15.8209, 18.0561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9972, 15.9159, 18.4357 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(165, 86, 116)` looks like.

```
.text, #text, p{  
    color:rgb(165, 86, 116)  
}
```

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(165, 86, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 86, 116) }
```

Border

The CSS property to change the border of an element to XYZ 21.9972, 15.9159, 18.4357 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(165, 86, 116) }
```


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

```
.border{ border-color:rgb(165, 86, 116) }
```

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

Here you see how a box with a 4 pixel rgb(165, 86, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 86, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 86, 116);  
box-shadow:4px 4px 4px 4px rgb(165, 86,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9972, 15.9159, 18.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 86, 116) }
```

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

```
.background{ background-color: rgb(165, 86,  
116) }
```

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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