

Converting Colors

XYZ(15.9386, 14.8237, 22.2711)

Have a look what the booklet for
XYZ(15.9386, 14.8237, 22.2711)
contains.

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Color

**XYZ(15.9838, 14.8432,
22.4447)**

Conversions

Conversions Part 1

Format	Color
Hex	756680
RGB	117, 102, 128
RGB Percent	46%, 40%, 50%
CMY	0.5412, 0.6000, 0.4980
CMYK	0.09, 0.20, 0.00, 0.50
HSL	275°, 11%, 45%
HSV	275°, 20%, 50%
XYZ	15.9838, 14.8432, 22.4447
YIQ	109.4490, 0.5940, 11.2660

Conversions

Conversions Part 2

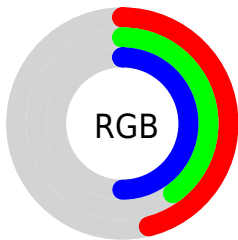
Format	Color
RYB	117, 102, 128
Decimal	7693952
CIELab	45.42, 11.25, -12.25
CIELCh	45, 16.631, 312.558
Yxy	14.8432, 0.3000, 0.2786
Android (android.graphics.Color)	4285884032 (0xFF756680)
YUV	109.4490, 9.1456, 6.6222
Hunter-Lab	38.5269, 6.6330, -7.5719

Details

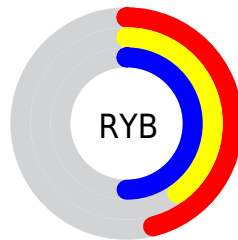
The XYZ color **15.9838, 14.8432, 22.4447** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.9281, 19.9088, 15.5217**, and the grayscale version is **14.6385, 15.4009, 16.7715**.

A 20% lighter version of the original color is **36.0939, 34.5537, 48.4832**, and **5.2317, 4.5621, 8.0020** is the 20% darker color. If you saturate the color by 10%, you get **14.1151, 12.1547, 22.0245**, and if you desaturate by 10%, it is **18.0898, 17.9432, 22.9323**.

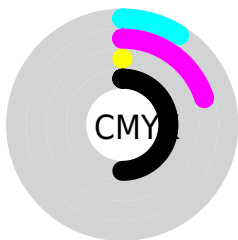
Distribution



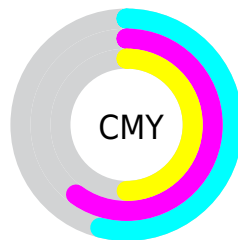
- Red (46%)
- Green (40%)
- Blue (50%)



- Red (46%)
- Yellow (40%)
- Blue (50%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (50%)



- Cyan (54%)
- Magenta (60%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9838, 14.8432, 22.4447 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 15.9838, 14.8432, 22.4447 by changing the saturation by 10% instead.

■ 15.9838, 14.8432,
22.4447

■ 15.9838, 14.8432,
22.4447

222.5184,
222.4152, 277.8888

■ 9.6035, 8.7094,
13.9826

■ 36.1278, 34.5779,
48.3915

■ 5.1971, 4.5521,
7.9699

■ 50.6221, 48.9475,
66.7132

■ 2.3993, 1.9870,
3.9882

■ 68.5518, 66.8313,
89.1586

■ 0.8448, 0.5999,
1.6189

■ 90.2822, 88.6135,
116.1461

■ 0.0000, 0.0000,
0.3042

116.1787,
114.6787, 148.0944

■ 0.0000, 0.0000,
0.0000

146.6067,

145.4110, 185.4219

181.9315,
181.1951, 228.5472

■ 15.9838, 14.8432,
22.4447

■ 15.9838, 14.8432,
22.4447

■ 14.1151, 12.1547,
22.0245

■ 18.0898, 17.9432,
22.9323

■ 12.4727, 9.8577,
21.6677

■ 20.4407, 21.4697,
23.4891

■ 11.0467, 7.9332,
21.3714

■ 23.0455, 25.4395,
24.1180

■ 9.8261, 6.3600,
21.1321

■ 25.9123, 29.8677,
24.8217

■ 8.7985, 5.1147,
20.9458

■ 29.0486, 34.7686,
25.6023

7.9500, 4.1708,
20.8084

32.4620, 40.1562,
26.4623

7.2648, 3.4975,
20.7145

36.1595, 46.0436,
27.4038

6.7084, 3.0082,
20.6494

40.1478, 52.4436,
28.4290

44.4336, 59.3684,
29.5397

Harmonies

Analogous

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



14.6941, 14.8432, 24.7920



15.9838, 14.8432, 22.4447



16.7997, 14.8432, 18.5534

Triad

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



15.9838, 14.8432, 22.4447



14.9201, 14.8432, 9.9311



11.6686, 14.8432, 17.8746

Complementary

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



15.9838, 14.8432, 22.4447



16.9281, 19.9088, 15.5217

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.



11.7204, 14.8432, 13.9850



15.9838, 14.8432, 22.4447



13.5378, 14.8432, 9.8102

Square

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



15.9838, 14.8432, 22.4447



16.1586, 14.8432, 11.5392



12.3850, 14.8432, 11.1765



12.2387, 14.8432, 21.8783

Rectangle

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



15.9838, 14.8432, 22.4447



16.9344, 14.8432, 15.8243



12.3850, 14.8432, 11.1765



11.6150, 14.8432, 16.5039

Sweetspot

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



15.9843, 14.8438, 22.4450



33.5233, 34.0891, 40.7693



15.3113, 16.2538, 22.7526



7.7990, 7.9067, 9.5334



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.9843, 14.8438, 22.4450



26.6967, 24.0400, 39.1894



17.4370, 15.6058, 21.9225



4.3278, 4.3246, 5.4199



6.6533, 2.9836, 20.4752



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.6346, 15.2849, 17.6971



28.0734, 24.9712, 29.2479



15.6844, 19.2576, 15.9170



4.3974, 4.3721, 4.8971



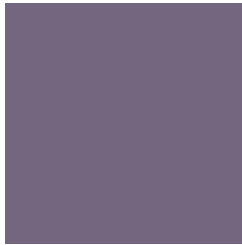
9.4916, 4.8163, 3.9126



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.9838, 14.8432, 22.4447 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 15.9838, 14.8432, 22.4447 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 15.9838, 14.8432, 22.4447

Background



This preview shows how black text looks on a background with the XYZ color 15.9838, 14.8432, 22.4447.



This preview shows how white text looks on a background with the XYZ color 15.9838, 14.8432,

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

15.9838, 14.8432, 22.4447

Protanopia

14.8339, 14.9789, 23.5821

Deuteranopia

15.0667, 14.8236, 22.1458



Tritanopia

15.1024, 14.9402, 17.7106

Trichromacy



Original Color

15.9838, 14.8432, 22.4447

Protanomaly

15.1442, 14.8407, 23.1854

Deuteranomaly

15.3366, 14.8124, 22.1294

Tritanomaly

15.4228, 14.9216, 19.2068

Monochromacy



Original Color

15.9838, 14.8432, 22.4447

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.9885, 15.0138, 18.6310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9838, 14.8432, 22.4447 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(117, 102, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 102, 128)  
}
```

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(117, 102, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 102, 128) }
```

Border

The CSS property to change the border of an element to XYZ 15.9838, 14.8432, 22.4447 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(117, 102, 128) }
```


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

```
.border{ border-color:rgb(117, 102, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 102, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 102, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 102, 128);  
box-shadow:4px 4px 4px 4px rgb(117, 102,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9838, 14.8432, 22.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 102, 128) }
```

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

```
.background{ background-color: rgb(117,  
102, 128) }
```

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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