

Converting Colors

XYZ(13.5002, 9.8779, 16.3592)

Have a look what the booklet for
XYZ(13.5002, 9.8779, 16.3592)
contains.

XYZ(13.5168, 9.8880, 16.2351)	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(13.5168, 9.8880,
16.2351)**

Conversions

Conversions Part 1

Format	Color
Hex	7D466F
RGB	125, 70, 111
RGB Percent	49%, 27%, 44%
CMY	0.5098, 0.7255, 0.5647
CMYK	0.00, 0.44, 0.11, 0.51
HSL	315°, 28%, 38%
HSV	315°, 44%, 49%
XYZ	13.5168, 9.8880, 16.2351
YIQ	91.1190, 19.6190, 24.4110

Conversions

Conversions Part 2

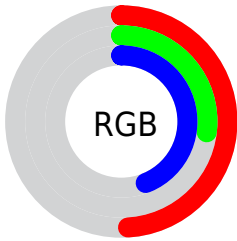
Format	Color
R_{YB}	125, 70, 111
Decimal	8210031
CIE _{Lab}	37.64, 29.78, -13.57
CIE _{LCh}	38, 32.722, 335.498
Yxy	9.8880, 0.3410, 0.2494
Android (android.graphics.Color)	4286400111 (0xFF7D466F)
YUV	91.1190, 9.8013, 29.7136
Hunter-Lab	31.4452, 21.6996, -8.5997

Details

The XYZ color **13.5168, 9.8880, 16.2351** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.4600, 16.6096, 10.9901**, and the grayscale version is **9.9466, 10.4646, 11.3959**.

A 20% lighter version of the original color is **31.9177, 25.6610, 37.9211**, and **4.0276, 2.4275, 4.9589** is the 20% darker color. If you saturate the color by 10%, you get **12.6427, 8.4151, 15.0947**, and if you desaturate by 10%, it is **14.5605, 11.6899, 17.4630**.

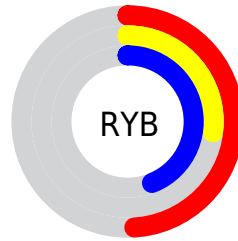
Distribution



Red (49%)

Green (27%)

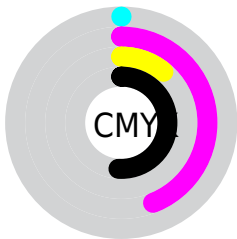
Blue (44%)



Red (49%)

Yellow (27%)

Blue (44%)

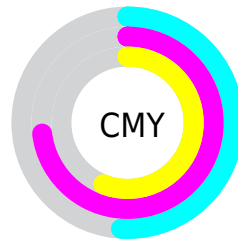


Cyan (0%)

Magenta (44%)

Yellow (11%)

Black (51%)



Cyan (51%)

Magenta (73%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5168, 9.8880, 16.2351 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 13.5168, 9.8880, 16.2351 by changing the saturation by 10% instead.

13.5168, 9.8880,
16.2351

13.5168, 9.8880,
16.2351

207.7751,
189.8708, 242.6179

7.8648, 5.3248,
9.5345

31.8226, 25.5846,
37.7783

4.0596, 2.4390,
4.9899

45.2072, 37.4868,
53.4580

1.7359, 0.8459,
2.1827

61.9000, 52.6041,
72.9679

0.4786, 0.0000,
0.6644

82.2664, 71.3209,
96.7264

0.0000, 0.0000,
0.0000

106.6718, 94.0215,
125.1521

135.4814,

121.0905, 158.6636

169.0607,
152.9121, 197.6793

■ 13.5168, 9.8880,
16.2351

■ 13.5168, 9.8880,
16.2351

■ 12.6427, 8.4151,
15.0947

■ 14.5605, 11.6899,
17.4630

■ 11.9271, 7.2495,
14.0376

■ 15.7823, 13.8380,
18.7813

■ 11.3589, 6.3689,
13.0597

■ 17.1912, 16.3501,
20.1934

■ 10.9252, 5.7474,
12.1565

■ 18.7953, 19.2422,
21.7023

■ 10.6086, 5.3507,
11.3218

■ 20.6021, 22.5294,
23.3107

■ 10.4413, 5.1535,
10.8424

■ 22.6189, 26.2261,
25.0215

■ 24.8524, 30.3457,
26.8371

■ 27.3093, 34.9014,
28.7601

■ 29.9957, 39.9053,
30.7927

Harmonies

Analogous

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



11.9109, 9.8880, 23.0073



13.5168, 9.8880, 16.2351



13.9559, 9.8880, 9.7081

Triad

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



13.5168, 9.8880, 16.2351



9.0211, 9.8880, 2.9270



6.5096, 9.8880, 18.8588

Complementary

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



13.5168, 9.8880, 16.2351



11.4600, 16.6096, 10.9901

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.



5.9596, 9.8880, 11.8988



13.5168, 9.8880, 16.2351



7.2664, 9.8880, 3.8853

Square

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



13.5168, 9.8880, 16.2351



11.1521, 9.8880, 3.3563



6.2149, 9.8880, 6.6884



7.8386, 9.8880, 24.8721

Rectangle

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



13.5168, 9.8880, 16.2351



13.4795, 9.8880, 6.5582



6.2149, 9.8880, 6.6884



6.2371, 9.8880, 16.4731

Sweetspot

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



13.5171, 9.8885, 16.2353



30.9702, 29.6106, 36.3404



9.5261, 7.7349, 20.3929



6.9303, 6.5303, 8.1550



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.5171, 9.8885, 16.2353



22.5997, 15.0026, 26.9751



12.2384, 9.3770, 9.5017



4.4529, 4.3943, 5.1892



10.8946, 5.3775, 11.3008



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.5171, 9.8885, 16.2353



22.5997, 15.0026, 26.9751



12.7428, 17.1227, 17.7449



4.4529, 4.3943, 5.1892



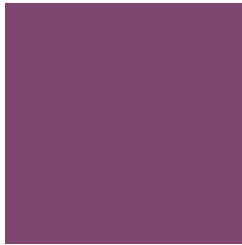
10.8946, 5.3775, 11.3008



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.5168, 9.8880, 16.2351 looks on a white background.

Color Contrast Check

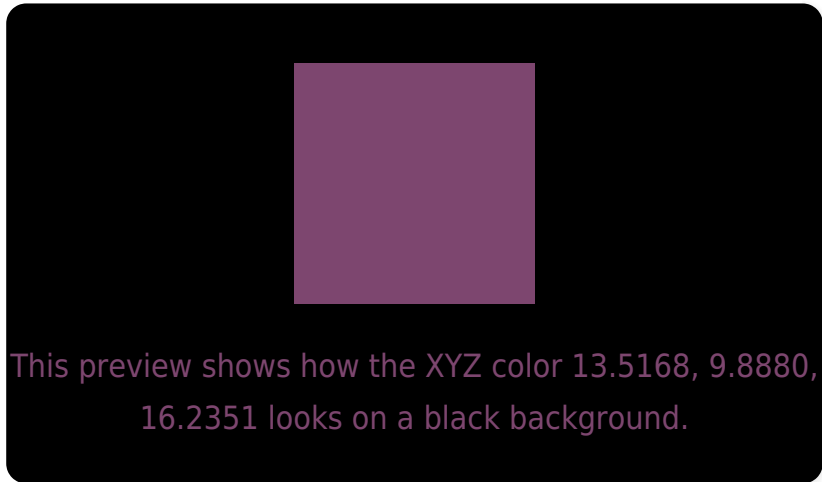
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

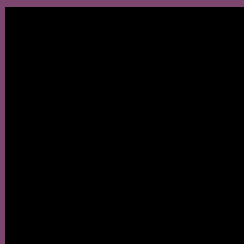
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5168, 9.8880, 16.2351

Background



This preview shows how black text looks on a background with the XYZ color 13.5168, 9.8880, 16.2351.



This preview shows how white text looks on a background with the XYZ color 13.5168, 9.8880,

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

13.5168, 9.8880, 16.2351

Protanopia

10.2697, 10.0544, 20.4682

Deuteranopia

10.1395, 9.9738, 15.5781



Tritanopia

12.1335, 9.9157, 9.2571

Trichromacy



Original Color

13.5168, 9.8880, 16.2351

Protanomaly

10.9915, 9.6497, 18.7360

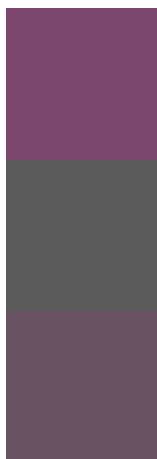
Deuteranomaly

11.0696, 9.7557, 15.7676

Tritanomaly

12.5929, 9.8988, 11.6029

Monochromacy



Original Color

13.5168, 9.8880, 16.2351

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.8914, 9.9519, 12.9021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5168, 9.8880, 16.2351 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(125, 70, 111)` looks like.

```
.text, #text, p{  
    color:rgb(125, 70, 111)  
}
```

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(125, 70, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 70, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.5168, 9.8880, 16.2351 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(125, 70, 111) }
```


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

```
.border{ border-color:rgb(125, 70, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 70, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 70, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 70, 111);  
box-shadow:4px 4px 4px 4px rgb(125, 70,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5168, 9.8880, 16.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 70, 111) }
```

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

```
.background{ background-color: rgb(125, 70,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor