

Converting Colors

XYZ(13.5000, 13.9019, 9.4074)

Have a look what the booklet for
XYZ(13.5000, 13.9019, 9.4074)
contains.

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Color

**XYZ(13.4988, 13.8492,
9.3588)**

Conversions

Conversions Part 1

Format	Color
Hex	75664F
RGB	117, 102, 79
RGB Percent	46%, 40%, 31%
CMY	0.5412, 0.6000, 0.6902
CMYK	0.00, 0.13, 0.32, 0.54
HSL	36°, 19%, 38%
HSV	36°, 32%, 46%
XYZ	13.4988, 13.8492, 9.3588
YIQ	103.8630, 16.3230, -3.9730

Conversions

Conversions Part 2

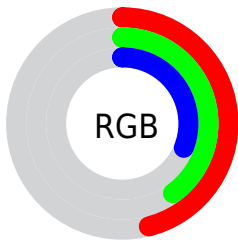
Format	Color
R_{YB}	104, 117, 79
Decimal	7693903
CIE Lab	44.02, 2.18, 15.21
CIE LCh	44, 15.367, 81.846
Yxy	13.8492, 0.3677, 0.3773
Android (android.graphics.Color)	4285883983 (0xFF75664F)
YUV	103.8630, -12.2575, 11.5211
Hunter-Lab	37.2145, -0.3782, 11.1398

Details

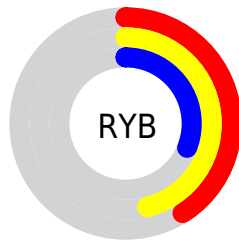
The XYZ color **13.4988, 13.8492, 9.3588** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.4379, 10.9517, 18.3934**, and the grayscale version is **13.1505, 13.8353, 15.0666**.

A 20% lighter version of the original color is **31.8651, 32.8870, 25.0904**, and **4.0388, 4.0768, 2.0874** is the 20% darker color. If you saturate the color by 10%, you get **12.6687, 12.8116, 7.1628**, and if you desaturate by 10%, it is **14.4298, 14.9686, 11.9587**.

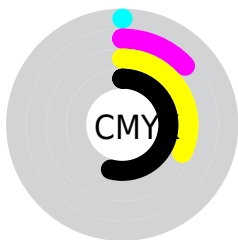
Distribution



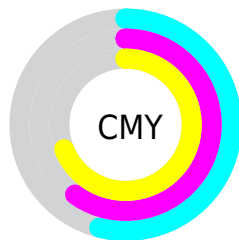
- Red (46%)
- Green (40%)
- Blue (31%)



- Red (41%)
- Yellow (46%)
- Blue (31%)



- Cyan (0%)
- Magenta (13%)
- Yellow (32%)
- Black (54%)





- Cyan (54%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4988, 13.8492, 9.3588 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 13.4988, 13.8492, 9.3588 by changing the saturation by 10% instead.


 13.4988, 13.8492,
9.3588


 13.4988, 13.8492,
9.3588


207.6638,
216.2907, 196.3480


 7.8523, 8.0159,
4.8760


 31.7908, 32.8212,
25.1710


 4.0516, 4.1051,
2.1172

 45.1670, 46.7287,
37.3373

 1.7314, 1.7325,
0.6260

 61.8504, 64.0963,
52.9020

 0.4758, 0.4446,
0.0000

 82.2064, 85.3085,
72.2834

 0.0000, 0.0000,
0.0000

 106.6004,
110.7496, 95.9002

135.3977,

140.8041, 124.1709

168.9637,
175.8563, 157.5139

■ 13.4988, 13.8492,
9.3588

■ 13.4988, 13.8492,
9.3588

■ 12.6687, 12.8116,
7.1628

■ 14.4298, 14.9686,
11.9587

■ 11.9343, 11.8516,
5.3490

■ 15.4648, 16.1702,
14.9809

■ 11.2910, 10.9672,
3.8949

■ 16.6080, 17.4567,
18.4439

■ 10.7338, 10.1557,
2.7754

■ 17.8628, 18.8303,
22.3645

■ 10.2568, 9.4140,
1.9619

■ 19.2327, 20.2928,
26.7590

■ 9.8531, 8.7386,
1.4201

■ 20.7210, 21.8461,
31.6426

■ 9.5783, 8.2661,
1.0907

■ 22.3307, 23.4922,
37.0299

■ 24.0649, 25.2326,
42.9350

■ 25.9264, 27.0691,
49.3714

Harmonies

Analogous

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



14.6663, 13.8492, 10.3894



13.4988, 13.8492, 9.3588



12.3095, 13.8492, 9.6636

Triad

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



13.4988, 13.8492, 9.3588



11.1037, 13.8492, 17.7200



15.0954, 13.8492, 19.6223

Complementary

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



13.4988, 13.8492, 9.3588



10.4379, 10.9517, 18.3934

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.



14.0556, 13.8492, 22.2144



13.4988, 13.8492, 9.3588



11.7666, 13.8492, 21.0033

Square

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



13.4988, 13.8492, 9.3588



10.9750, 13.8492, 14.1464



12.8333, 13.8492, 22.7554



15.6246, 13.8492, 16.0526

Rectangle

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



13.4988, 13.8492, 9.3588



11.6595, 13.8492, 10.6079



12.8333, 13.8492, 22.7554



14.7911, 13.8492, 20.6583

Sweetspot

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



13.4992, 13.8498, 9.3591



28.1304, 29.4541, 28.1336



12.1616, 10.1858, 11.9620



6.4176, 6.7151, 6.3186



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.4992, 13.8498, 9.3591



23.0370, 23.3879, 13.7329



14.6085, 16.8112, 9.8722



3.8511, 4.0352, 3.9182



10.5378, 9.0769, 1.1966



50.4992, 42.5270, 5.5469

Inverse Universe

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



10.4379, 10.9517, 18.3934



16.6447, 17.3388, 32.6065



9.5567, 8.7064, 18.0065



3.6082, 3.8051, 4.6345



4.6072, 3.5542, 18.9858



21.6661, 15.7489, 92.2582

Previews

White Background



This preview shows how the XYZ color 13.4988, 13.8492, 9.3588 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 13.4988, 13.8492, 9.3588 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 13.4988, 13.8492, 9.3588

Background



This preview shows how black text looks on a background with the XYZ color 13.4988, 13.8492, 9.3588.



This preview shows how white text looks on a background with the XYZ color 13.4988, 13.8492,

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

13.4988, 13.8492, 9.3588

Protanopia

12.9538, 13.8593, 9.5818

Deuteranopia

13.9945, 13.8164, 9.3264



Tritanopia

14.7149, 13.7690, 15.5178

Trichromacy



Original Color

13.4988, 13.8492, 9.3588

Protanomaly

13.1083, 13.7904, 9.5603

Deuteranomaly

13.8107, 13.8649, 9.3454

Tritanomaly

14.1809, 13.6901, 12.9614

Monochromacy



Original Color

13.4988, 13.8492, 9.3588

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2225, 13.7779, 12.7890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4988, 13.8492, 9.3588 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(117, 102, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 102, 79) }
```

Border

The CSS property to change the border of an element to XYZ 13.4988, 13.8492, 9.3588 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, 79) }
```


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

```
.border{ border-color:rgb(117, 102, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 102, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 102, 79);  
box-shadow:4px 4px 4px 4px rgb(117, 102,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4988, 13.8492, 9.3588 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, 79) }
```

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

```
.background{ background-color: rgb(117,  
102, 79) }
```

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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