

Converting Colors

XYZ(13.4312, 10.3600, 15.8827)

Have a look what the booklet for
XYZ(13.4312, 10.3600, 15.8827)
contains.

XYZ(13.4448, 10.3472, 15.7566)	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(13.4448, 10.3472,
15.7566)**

Conversions

Conversions Part 1

Format	Color
Hex	7B4B6D
RGB	123, 75, 109
RGB Percent	48%, 29%, 43%
CMY	0.5176, 0.7059, 0.5725
CMYK	0.00, 0.39, 0.11, 0.52
HSL	318°, 24%, 39%
HSV	318°, 39%, 48%
XYZ	13.4448, 10.3472, 15.7566
YIQ	93.2280, 17.6940, 20.7500

Conversions

Conversions Part 2

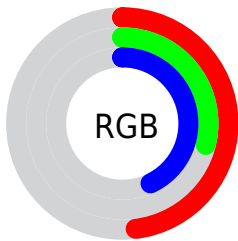
Format	Color
R_{YB}	123, 75, 109
Decimal	8080237
CIE _{Lab}	38.46, 25.79, -11.11
CIE _{LCh}	38, 28.076, 336.694
Yxy	10.3472, 0.3400, 0.2616
Android (android.graphics.Color)	4286270317 (0xFF7B4B6D)
YUV	93.2280, 7.7756, 26.1100
Hunter-Lab	32.1671, 18.3149, -6.5255

Details

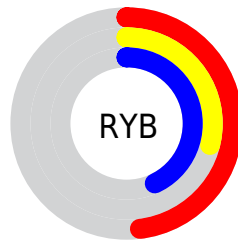
The XYZ color **13.4448, 10.3472, 15.7566** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.7882, 16.3834, 11.9929**, and the grayscale version is **10.4375, 10.9810, 11.9583**.

A 20% lighter version of the original color is **31.6711, 26.4705, 37.1583**, and **4.0293, 2.6321, 4.7106** is the 20% darker color. If you saturate the color by 10%, you get **12.5007, 8.7616, 14.5084**, and if you desaturate by 10%, it is **14.5588, 12.2595, 17.1005**.

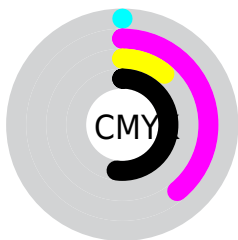
Distribution



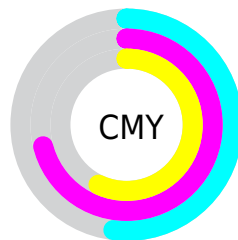
- Red (48%)
- Green (29%)
- Blue (43%)



- Red (48%)
- Yellow (29%)
- Blue (43%)



- Cyan (0%)
- Magenta (39%)
- Yellow (11%)
- Black (52%)



- Cyan (52%)
- Magenta (71%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4448, 10.3472, 15.7566 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 13.4448, 10.3472, 15.7566 by changing the saturation by 10% instead.

13.4448, 10.3472,
15.7566

13.4448, 10.3472,
15.7566

207.3295,
193.1325, 239.6976

7.8146, 5.6298,
9.1996

31.6952, 26.4465,
36.9360

4.0274, 2.6213,
4.7730

45.0461, 38.5972,
52.3955

1.7176, 0.9374,
2.0583

61.7013, 53.9944,
71.6596

0.4673, 0.0000,
0.5908

82.0262, 73.0226,
95.1468

0.0000, 0.0000,
0.0000

106.3861, 96.0661,
123.2757

135.1464,

123.5093, 156.4647

168.6724,
155.7366, 195.1325

■ 13.4448, 10.3472,
15.7566

■ 13.4448, 10.3472,
15.7566

■ 12.5007, 8.7616,
14.5084

■ 14.5588, 12.2595,
17.1005

■ 11.7160, 7.4826,
13.3517

■ 15.8503, 14.5144,
18.5429

■ 11.0807, 6.4901,
12.2828

■ 17.3278, 17.1283,
20.0871

■ 10.5832, 5.7609,
11.2973

■ 18.9988, 20.1161,
21.7359

■ 10.2099, 5.2683,
10.3902

■ 20.8705, 23.4921,
23.4924

■ 9.9213, 4.9330,
9.5479

■ 22.9496, 27.2696,
25.3591

■ 9.8939, 4.9012,
9.4678

■ 25.2425, 31.4613,
27.3385

■ 27.7555, 36.0795,
29.4332

■ 30.4944, 41.1358,
31.6455

Harmonies

Analogous

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



12.0977, 10.3472, 21.4686



13.4448, 10.3472, 15.7566



13.7725, 10.3472, 10.1288

Triad

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



13.4448, 10.3472, 15.7566



9.4290, 10.3472, 3.9145



7.2678, 10.3472, 18.4489

Complementary

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



13.4448, 10.3472, 15.7566



11.7882, 16.3834, 11.9929

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.



6.7297, 10.3472, 12.4861



13.4448, 10.3472, 15.7566



7.8731, 10.3472, 4.9502

Square

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



13.4448, 10.3472, 15.7566



11.2980, 10.3472, 4.3000



6.9367, 10.3472, 7.7222



8.5035, 10.3472, 23.3309

Rectangle

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



13.4448, 10.3472, 15.7566



13.3365, 10.3472, 7.3087



6.9367, 10.3472, 7.7222



7.0068, 10.3472, 16.4438

Sweetspot

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



13.4451, 10.3477, 15.7568



30.1260, 29.0679, 35.0450



10.1732, 8.5668, 19.8566



7.0309, 6.7322, 8.1870



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.



13.4451, 10.3477, 15.7568



22.5203, 15.9137, 26.1678



12.3405, 9.9058, 9.9400



4.1070, 4.0585, 4.7612



10.2326, 5.0692, 9.7815



48.4259, 24.0267, 44.6345

Inverse Universe

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



13.4451, 10.3477, 15.7568



22.5203, 15.9137, 26.1678



12.9432, 16.8454, 18.0747



4.1070, 4.0585, 4.7612



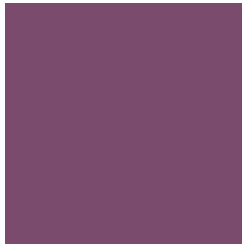
10.2326, 5.0692, 9.7815



48.4259, 24.0267, 44.6345

Previews

White Background



This preview shows how the XYZ color 13.4448, 10.3472, 15.7566 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 13.4448, 10.3472, 15.7566 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 13.4448, 10.3472, 15.7566

Background



This preview shows how black text looks on a background with the XYZ color 13.4448, 10.3472, 15.7566.



This preview shows how white text looks on a background with the XYZ color 13.4448, 10.3472,

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

13.4448, 10.3472, 15.7566

Protanopia

10.6136, 10.5074, 19.2380

Deuteranopia

10.6399, 10.4816, 15.3723



Tritanopia

12.2941, 10.4023, 10.1640

Trichromacy



Original Color

13.4448, 10.3472, 15.7566

Protanomaly

11.4379, 10.3546, 17.9188

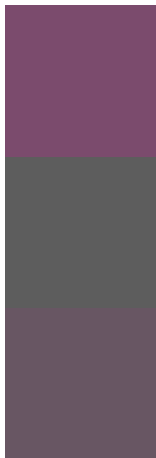
Deuteranomaly

11.4706, 10.3069, 15.5722

Tritanomaly

12.6299, 10.3219, 11.9163

Monochromacy



Original Color

13.4448, 10.3472, 15.7566

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.2888, 10.4995, 13.2360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4448, 10.3472, 15.7566 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(123, 75, 109)` looks like.

```
.text, #text, p{  
    color:rgb(123, 75, 109)  
}
```

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(123, 75, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 75, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.4448, 10.3472, 15.7566 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(123, 75, 109) }
```


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

```
.border{ border-color:rgb(123, 75, 109) }
```

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

Here you see how a box with a 4 pixel rgb(123, 75, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 75, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 75, 109);  
box-shadow:4px 4px 4px 4px rgb(123, 75,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4448, 10.3472, 15.7566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 75, 109) }
```

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

```
.background{ background-color: rgb(123, 75,  
109) }
```

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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