

Converting Colors

XYZ(13.8414, 15.5901, 10.4698)

Have a look what the booklet for
XYZ(13.8414, 15.5901, 10.4698)
contains.

XYZ(13.7859, 15.5279, 10.4542)	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(13.7859, 15.5279,
10.4542)**

Conversions

Conversions Part 1

Format	Color
Hex	6E7053
RGB	110, 112, 83
RGB Percent	43%, 44%, 33%
CMY	0.5686, 0.5608, 0.6745
CMYK	0.02, 0.00, 0.26, 0.56
HSL	64°, 15%, 38%
HSV	64°, 26%, 44%
XYZ	13.7859, 15.5279, 10.4542
YIQ	108.0960, 8.1170, -9.4430

Conversions

Conversions Part 2

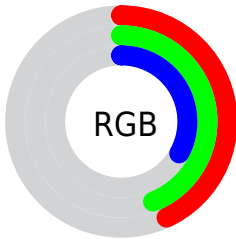
Format	Color
R_{YB}	83, 112, 85
Decimal	7237715
CIE Lab	46.35, -6.04, 15.92
CIE LCh	46, 17.024, 110.780
Yxy	15.5279, 0.3467, 0.3905
Android (android.graphics.Color)	4285427795 (0xFF6E7053)
YUV	108.0960, -12.3723, 1.6698
Hunter-Lab	39.4055, -6.5118, 11.8543

Details

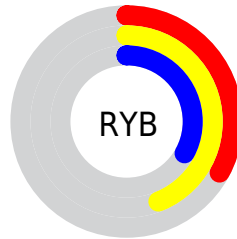
The XYZ color **13.7859, 15.5279, 10.4542** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.7648, 9.2881, 16.6083**, and the grayscale version is **14.3132, 15.0586, 16.3988**.

A 20% lighter version of the original color is **32.4094, 35.9258, 27.4165**, and **4.1699, 4.8309, 2.5464** is the 20% darker color. If you saturate the color by 10%, you get **13.2923, 15.3199, 8.3533**, and if you desaturate by 10%, it is **14.3510, 15.7657, 12.9238**.

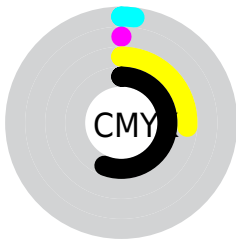
Distribution



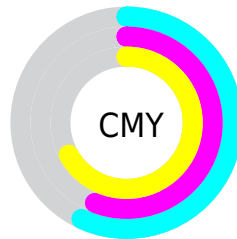
- Red (43%)
- Green (44%)
- Blue (33%)



- Red (33%)
- Yellow (44%)
- Blue (33%)



- Cyan (2%)
- Magenta (0%)
- Yellow (26%)
- Black (56%)



- Cyan (57%)
- Magenta (56%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7859, 15.5279, 10.4542 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 13.7859, 15.5279, 10.4542 by changing the saturation by 10% instead.

■ 13.7859, 15.5279,
10.4542

■ 13.7859, 15.5279,
10.4542

209.4322,
226.5396, 204.4849

■ 8.0526, 9.1907,
5.5916

■ 32.2981, 35.7766,
27.2674

■ 4.1807, 4.8658,
2.5336

■ 45.8077, 50.4570,
40.0551

■ 1.8049, 2.1687,
0.8579

■ 62.6402, 68.6872,
56.3216

■ 0.5206, 0.7029,
0.0000

■ 83.1608, 90.8516,
76.4855

■ 0.0000, 0.0000,
0.0000

■ 107.7350,
117.3347, 100.9652

136.7280,

148.5208, 130.1793

170.5053,
184.7943, 164.5464

■ 13.7859, 15.5279,
10.4542

■ 13.7859, 15.5279,
10.4542

■ 13.2923, 15.3199,
8.3533

■ 14.3510, 15.7657,
12.9238

■ 12.8657, 15.1383,
6.6025

■ 14.9896, 16.0324,
15.7776

■ 12.5028, 14.9823,
5.1831

■ 15.7050, 16.3299,
19.0314

■ 12.1996, 14.8502,
4.0741

■ 16.5000, 16.6593,
22.6999

■ 11.9519, 14.7404,
3.2521

■ 17.3772, 17.0218,
26.7968

■ 11.7544, 14.6509,
2.6908

■ 18.3391, 17.4182,
31.3354

■ 11.5967, 14.5773,
2.3345

■ 19.3882, 17.8496,
36.3284

■ 11.5345, 14.5481,
2.2001

■ 20.5266, 18.3168,
41.7880

■ 21.7568, 18.8208,
47.7258

Harmonies

Analogous

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



15.2128, 15.5279, 10.1532



13.7859, 15.5279, 10.4542



12.6908, 15.5279, 12.3198

Triad

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



13.7859, 15.5279, 10.4542



13.0554, 15.5279, 23.9252



17.7041, 15.5279, 18.2272

Complementary

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



13.7859, 15.5279, 10.4542



9.7648, 9.2881, 16.6083

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.



17.0401, 15.5279, 22.5119



13.7859, 15.5279, 10.4542



14.3140, 15.5279, 26.1402

Square

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



13.7859, 15.5279, 10.4542



12.2887, 15.5279, 19.9203



15.7764, 15.5279, 25.5843



17.5395, 15.5279, 14.2145

Rectangle

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



13.7859, 15.5279, 10.4542



12.2656, 15.5279, 14.3984



15.7764, 15.5279, 25.5843



17.5688, 15.5279, 19.6918

Sweetspot

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



13.7863, 15.5286, 10.4545



26.0600, 28.0501, 26.4934



11.4872, 10.5562, 9.6159



6.2263, 6.7245, 6.2103



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.7863, 15.5286, 10.4545



23.6895, 27.0555, 16.1044



12.1345, 14.6771, 10.3772



3.6202, 3.9051, 3.6363



13.3262, 16.8136, 2.5430



66.0862, 83.6027, 12.6538

Inverse Universe

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



9.7648, 9.2881, 16.6083



15.3630, 14.1330, 28.8480



11.2115, 10.0338, 16.6760



3.2370, 3.3105, 4.2226



3.4847, 1.4058, 17.8093



17.0753, 6.8570, 88.7027

Previews

White Background



This preview shows how the XYZ color 13.7859, 15.5279, 10.4542 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 13.7859, 15.5279, 10.4542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

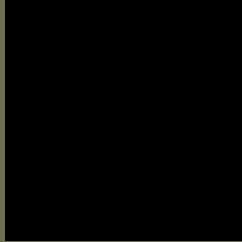
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

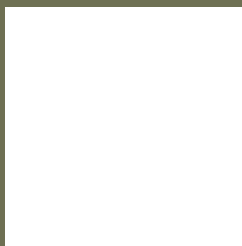
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7859, 15.5279, 10.4542

Background



This preview shows how black text looks on a background with the XYZ color 13.7859, 15.5279, 10.4542.



This preview shows how white text looks on a background with the XYZ color 13.7859, 15.5279,

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

13.7859, 15.5279, 10.4542

Protanopia

14.5701, 15.6126, 10.2282

Deuteranopia

15.7051, 15.4104, 10.5343



Tritanopia

15.4544, 15.5635, 18.7125

Trichromacy



Original Color

13.7859, 15.5279, 10.4542

Protanomaly

14.2777, 15.6229, 10.2457

Deuteranomaly

14.9888, 15.5028, 10.5898

Tritanomaly

14.7774, 15.4475, 15.2995

Monochromacy



Original Color

13.7859, 15.5279, 10.4542

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0274, 15.0893, 13.9776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7859, 15.5279, 10.4542 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(110, 112, 83)` looks like.

```
.text, #text, p{  
    color:rgb(110, 112, 83)  
}
```

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(110, 112, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 112, 83) }
```

Border

The CSS property to change the border of an element to XYZ 13.7859, 15.5279, 10.4542 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(110, 112, 83) }
```


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

```
.border{ border-color:rgb(110, 112, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 112, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 112, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 112, 83);  
box-shadow:4px 4px 4px 4px rgb(110, 112,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7859, 15.5279, 10.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 112, 83) }
```

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

```
.background{ background-color: rgb(110,  
112, 83) }
```

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