

Converting Colors

XYZ(13.3488, 15.3813, 8.3634)

Have a look what the booklet for
XYZ(13.3488, 15.3813, 8.3634)
contains.

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Color

**XYZ(13.3943, 15.3712,
8.3919)**

Conversions

Conversions Part 1

Format	Color
Hex	6E7048
RGB	110, 112, 72
RGB Percent	43%, 44%, 28%
CMY	0.5686, 0.5608, 0.7176
CMYK	0.02, 0.00, 0.36, 0.56
HSL	63°, 22%, 36%
HSV	63°, 36%, 44%
XYZ	13.3943, 15.3712, 8.3919
YIQ	106.8420, 11.6480, -12.8640

Conversions

Conversions Part 2

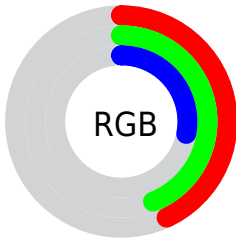
Format	Color
RYB	72, 112, 74
Decimal	7237704
CIELab	46.14, -7.64, 22.02
CIELCh	46, 23.311, 109.143
Yxy	15.3712, 0.3605, 0.4137
Android (android.graphics.Color)	4285427784 (0xFF6E7048)
YUV	106.8420, -17.1771, 2.7696
Hunter-Lab	39.2061, -7.6283, 14.7535

Details

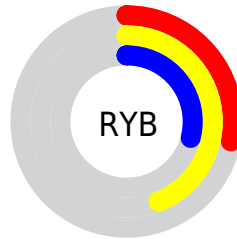
The XYZ color **13.3943, 15.3712, 8.3919** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.0666, 7.2608, 16.3064**, and the grayscale version is **13.9755, 14.7033, 16.0119**.

A 20% lighter version of the original color is **31.6269, 35.6128, 23.2962**, and **3.9557, 4.7380, 1.7430** is the 20% darker color. If you saturate the color by 10%, you get **12.9923, 15.2029, 6.6365**, and if you desaturate by 10%, it is **13.8641, 15.5677, 10.4987**.

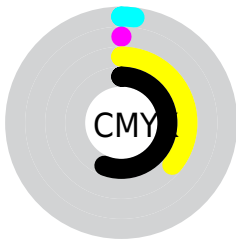
Distribution



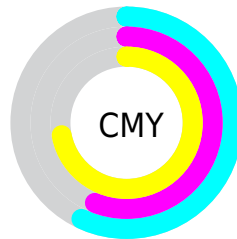
- Red (43%)
- Green (44%)
- Blue (28%)



- Red (28%)
- Yellow (44%)
- Blue (29%)



- Cyan (2%)
- Magenta (0%)
- Yellow (36%)
- Black (56%)



- Cyan (57%)
- Magenta (56%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3943, 15.3712, 8.3919 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 13.3943, 15.3712, 8.3919 by changing the saturation by 10% instead.

■ 13.3943, 15.3712,
8.3919

■ 13.3943, 15.3712,
8.3919

207.0164,
225.6021, 188.8223

■ 7.7795, 9.0803,
4.2554

■ 31.6057, 35.5031,
23.2819

■ 4.0048, 4.7936,
1.7665

■ 44.9330, 50.1128,
34.8725

■ 1.7048, 2.1267,
0.4057

■ 61.5618, 68.2644,
49.7849

■ 0.4593, 0.6796,
0.0000

■ 81.8575, 90.3421,
68.4376

■ 0.0000, 0.0000,
0.0000

■ 106.1855,
116.7303, 91.2491

134.9110,

147.8134, 118.6381

168.3995,
183.9759, 151.0229

■ 13.3943, 15.3712,
8.3919

■ 13.3943, 15.3712,
8.3919

■ 12.9923, 15.2029,
6.6365

■ 13.8641, 15.5677,
10.4987

■ 12.6534, 15.0594,
5.2125

■ 14.4038, 15.7918,
12.9734

■ 12.3740, 14.9397,
4.0992

■ 15.0171, 16.0453,
15.8330

■ 12.1495, 14.8420,
3.2735

■ 15.7068, 16.3294,
19.0929

■ 11.9751, 14.7644,
2.7089

■ 16.4758, 16.6453,
22.7675

■ 11.8405, 14.7028,
2.3517

■ 17.3266, 16.9939,
26.8709

■ 11.7855, 14.6775,
2.2119

■ 18.2618, 17.3764,
31.4162

■ 19.2837, 17.7936,
36.4162

■ 20.3947, 18.2465,
41.8828

Harmonies

Analogous

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



15.3402, 15.3712, 8.1367



13.3943, 15.3712, 8.3919



11.9104, 15.3712, 10.5588

Triad

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



13.3943, 15.3712, 8.3919



12.2538, 15.3712, 26.4341



18.6856, 15.3712, 18.8800

Complementary

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



13.3943, 15.3712, 8.3919



8.0666, 7.2608, 16.3064

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.



17.6892, 15.3712, 24.9490



13.3943, 15.3712, 8.3919



13.9030, 15.3712, 29.9221

Square

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



13.3943, 15.3712, 8.3919



11.2943, 15.3712, 20.5809



15.8968, 15.3712, 29.3243



18.5180, 15.3712, 13.4036

Rectangle

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



13.3943, 15.3712, 8.3919



11.3272, 15.3712, 13.1405



15.8968, 15.3712, 29.3243



18.4724, 15.3712, 20.9355

Sweetspot

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



13.3947, 15.3719, 8.3922



25.7633, 27.9314, 24.9285



10.3011, 8.8106, 7.2888



6.1638, 6.6997, 5.8692



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.



13.3947, 15.3719, 8.3922



22.9278, 26.7505, 12.1081



11.1809, 14.2306, 8.2886



3.6262, 3.9081, 3.6366



13.6184, 16.9643, 2.5567



67.6181, 84.3924, 12.7255

Inverse Universe

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



8.0666, 7.2608, 16.3064



12.0554, 10.1961, 28.2624



9.8586, 8.1846, 16.3903



3.2316, 3.3077, 4.2223



3.4562, 1.3911, 17.8080



16.9996, 6.8180, 88.6992

Previews

White Background



This preview shows how the XYZ color 13.3943, 15.3712, 8.3919 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 13.3943, 15.3712, 8.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

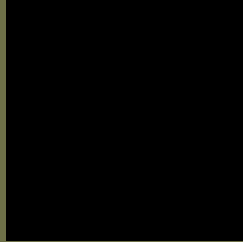
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

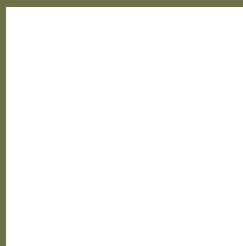
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3943, 15.3712, 8.3919

Background



This preview shows how black text looks on a background with the XYZ color 13.3943, 15.3712, 8.3919.



This preview shows how white text looks on a background with the XYZ color 13.3943, 15.3712,

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

13.3943, 15.3712, 8.3919

Protanopia

14.2137, 15.3141, 8.1680

Deuteranopia

15.5464, 15.2203, 8.5970



Tritanopia

15.4224, 15.3980, 18.3789

Trichromacy



Original Color

13.3943, 15.3712, 8.3919

Protanomaly

13.9157, 15.3198, 8.1848

Deuteranomaly

14.6287, 15.2074, 8.4676

Tritanomaly

14.5308, 15.3488, 14.0011

Monochromacy



Original Color

13.3943, 15.3712, 8.3919

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6734, 14.9336, 12.7515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3943, 15.3712, 8.3919 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(110, 112, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 112, 72) }
```

Border

The CSS property to change the border of an element to XYZ 13.3943, 15.3712, 8.3919 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, 72) }
```


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

```
.border{ border-color:rgb(110, 112, 72) }
```

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, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 112, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 112, 72);  
box-shadow:4px 4px 4px 4px rgb(110, 112,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3943, 15.3712, 8.3919 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, 72) }
```

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

```
.background{ background-color: rgb(110,  
112, 72) }
```

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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