

Converting Colors

XYZ(13.0202, 13.0863, 13.8203)

Have a look what the booklet for
XYZ(13.0202, 13.0863, 13.8203)
contains.

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Color

**XYZ(13.0688, 13.0950,
13.8954)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6364
RGB	109, 99, 100
RGB Percent	43%, 39%, 39%
CMY	0.5725, 0.6118, 0.6078
CMYK	0.00, 0.09, 0.08, 0.57
HSL	354°, 5%, 41%
HSV	354°, 9%, 43%
XYZ	13.0688, 13.0950, 13.8954
YIQ	102.1040, 5.6390, 2.4310

Conversions

Conversions Part 2

Format	Color
R_{YB}	109, 99, 100
Decimal	7168868
CIE _{Lab}	42.91, 4.16, 0.87
CIE _{LCh}	43, 4.253, 11.788
Yxy	13.0950, 0.3262, 0.3269
Android (android.graphics.Color)	4285358948 (0xFF6D6364)
YUV	102.1040, -1.0373, 6.0478
Hunter-Lab	36.1870, 1.1373, 2.5642

Details

The XYZ color **13.0688, 13.0950, 13.8954** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3215, 14.6730, 16.3182**, and the grayscale version is **12.6584, 13.3176, 14.5029**.

A 20% lighter version of the original color is **31.1902, 31.6241, 33.7383**, and **3.8402, 3.7953, 3.8983** is the 20% darker color. If you saturate the color by 10%, you get **11.6585, 10.9890, 11.2217**, and if you desaturate by 10%, it is **14.6765, 15.5039, 16.9175**.

Distribution



Red (43%)

Green (39%)

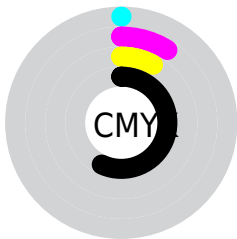
Blue (39%)



Red (43%)

Yellow (39%)

Blue (39%)



Cyan (0%)

Magenta (9%)

Yellow (8%)

Black (57%)



Cyan (57%)

Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0688, 13.0950, 13.8954 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 13.0688, 13.0950, 13.8954 by changing the saturation by 10% instead.

■ 13.0688, 13.0950,
13.8954

■ 13.0688, 13.0950,
13.8954

204.9868,
211.5256, 227.9849

■ 7.5533, 7.4940,
7.9100

■ 31.0276, 31.4743,
33.6178

■ 3.8598, 3.7729,
3.9505

■ 44.2016, 45.0215,
48.1918

■ 1.6231, 1.5474,
1.5982

■ 60.6591, 61.9861,
66.4659

■ 0.4074, 0.3217,
0.2895

■ 80.7654, 82.7527,
88.8585

■ 0.0000, 0.0000,
0.0000

104.8860,
107.7055, 115.7881

133.3862,

137.2290, 147.6734

166.6314,
171.7076, 184.9328

■ 13.0688, 13.0950,
13.8954

■ 13.0688, 13.0950,
13.8954

■ 11.6585, 10.9890,
11.2217

■ 14.6765, 15.5039,
16.9175

■ 10.4368, 9.1722,
8.8830

■ 16.4876, 18.2251,
20.2989

■ 9.3961, 7.6325,
6.8663

■ 18.5094, 21.2700,
24.0513

■ 8.5278, 6.3563,
5.1575

■ 20.7481, 24.6486,
28.1855

■ 7.8225, 5.3288,
3.7414

■ 23.2102, 28.3706,
32.7119

■ 7.2700, 4.5337,
2.6016

■ 25.9015, 32.4455,
37.6403

■ 6.8588, 3.9529,
1.7198

■ 28.8277, 36.8821,
42.9805

■ 6.5760, 3.5655,
1.0759

■ 31.9944, 41.6892,
48.7417

■ 6.3811, 3.2966,
0.6381

■ 35.4069, 46.8749,
54.9330

Harmonies

Analogous

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



13.0501, 13.0950, 14.8255



13.0688, 13.0950, 13.8954



12.9186, 13.0950, 13.0975

Triad

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



13.0688, 13.0950, 13.8954



12.0342, 13.0950, 12.9638



12.2519, 13.0950, 16.0284

Complementary

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



13.0688, 13.0950, 13.8954



13.3215, 14.6730, 16.3182

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.



11.9858, 13.0950, 15.4856



13.0688, 13.0950, 13.8954



11.8617, 13.0950, 13.7057

Square

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



13.0688, 13.0950, 13.8954



12.3191, 13.0950, 12.5756



11.8441, 13.0950, 14.6273



12.5746, 13.0950, 16.0847

Rectangle

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



13.0688, 13.0950, 13.8954



12.7444, 13.0950, 12.7372



11.8441, 13.0950, 14.6273



12.1530, 13.0950, 15.8957

Sweetspot

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



13.0692, 13.0956, 13.8957



25.1119, 26.0096, 28.1013



13.4069, 13.2166, 16.3127



5.7970, 5.9827, 6.4517



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.0692, 13.0956, 13.8957



22.8342, 22.6003, 23.8094



13.4095, 13.8531, 13.7722



3.1109, 3.1212, 3.3144



7.4411, 3.8286, 0.6854



37.7559, 19.4443, 2.6514

Inverse Universe

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



13.0692, 13.0956, 13.8957



22.8342, 22.6003, 23.8094



12.9580, 13.8604, 16.4606



3.1109, 3.1212, 3.3144



7.4411, 3.8286, 0.6854



37.7559, 19.4443, 2.6514

Previews

White Background



This preview shows how the XYZ color 13.0688, 13.0950, 13.8954 looks on a white background.

Color Contrast Check

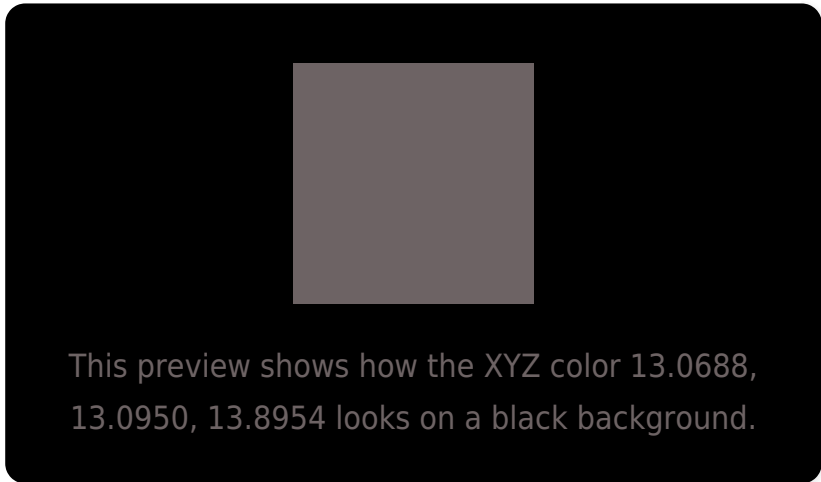
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

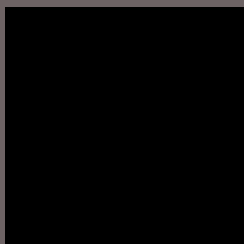
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0688, 13.0950, 13.8954

Background



This preview shows how black text looks on a background with the XYZ color 13.0688, 13.0950, 13.8954.

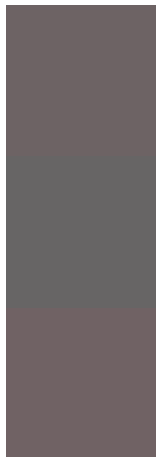


This preview shows how white text looks on a background with the XYZ color 13.0688, 13.0950,

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

13.0688, 13.0950, 13.8954

Protanopia

12.5962, 13.1305, 14.1825

Deuteranopia

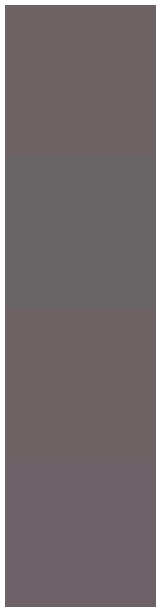
13.3500, 13.1002, 13.8816



Tritanopia

13.3996, 13.0910, 15.4562

Trichromacy



Original Color

13.0688, 13.0950, 13.8954

Protanomaly

12.7318, 13.0572, 14.1612

Deuteranomaly

13.2235, 13.0350, 13.8756

Tritanomaly

13.2968, 13.0498, 14.9148

Monochromacy



Original Color

13.0688, 13.0950, 13.8954

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8283, 13.2502, 14.1933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0688, 13.0950, 13.8954 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(109, 99, 100)` looks like.

```
.text, #text, p{  
    color:rgb(109, 99, 100)  
}
```

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(109, 99, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 99, 100) }
```

Border

The CSS property to change the border of an element to XYZ 13.0688, 13.0950, 13.8954 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(109, 99, 100) }
```


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

```
.border{ border-color:rgb(109, 99, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 99, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 99, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 99, 100);  
box-shadow:4px 4px 4px 4px rgb(109, 99,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0688, 13.0950, 13.8954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 99, 100) }
```

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

```
.background{ background-color: rgb(109, 99,  
100) }
```

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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