

Converting Colors

XYZ(12.8346, 13.4942, 11.3328)

Have a look what the booklet for
XYZ(12.8346, 13.4942, 11.3328)
contains.

XYZ(12.8612, 13.4752, 11.3743)	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(12.8612, 13.4752,
11.3743)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6659
RGB	109, 102, 89
RGB Percent	43%, 40%, 35%
CMY	0.5725, 0.6000, 0.6510
CMYK	0.00, 0.06, 0.18, 0.57
HSL	39°, 10%, 39%
HSV	39°, 18%, 43%
XYZ	12.8612, 13.4752, 11.3743
YIQ	102.6110, 8.3450, -2.5590

Conversions

Conversions Part 2

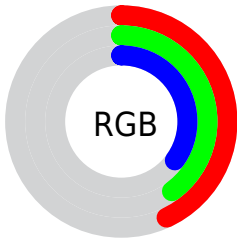
Format	Color
R_{YB}	100, 109, 89
Decimal	7169625
CIE Lab	43.47, 0.36, 8.34
CIE LCh	43, 8.350, 87.557
Yxy	13.4752, 0.3410, 0.3573
Android (android.graphics.Color)	4285359705 (0xFF6D6659)
YUV	102.6110, -6.7102, 5.6032
Hunter-Lab	36.7086, -1.7009, 7.3248

Details

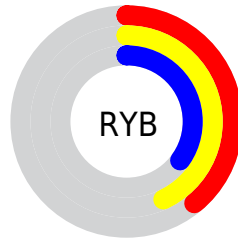
The XYZ color **12.8612, 13.4752, 11.3743** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0630, 11.5935, 16.1228**, and the grayscale version is **12.8053, 13.4722, 14.6713**.

A 20% lighter version of the original color is **30.7494, 32.2236, 29.0252**, and **3.7453, 3.9063, 2.9395** is the 20% darker color. If you saturate the color by 10%, you get **12.0709, 12.5735, 9.0174**, and if you desaturate by 10%, it is **13.7373, 14.4397, 14.0946**.

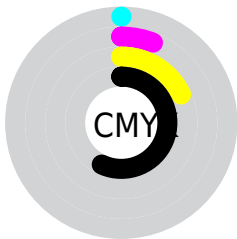
Distribution



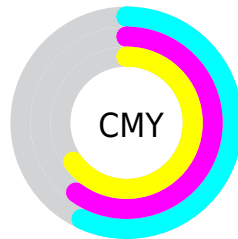
- Red (43%)
- Green (40%)
- Blue (35%)



- Red (39%)
- Yellow (43%)
- Blue (35%)



- Cyan (0%)
- Magenta (6%)
- Yellow (18%)
- Black (57%)



- Cyan (57%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8612, 13.4752, 11.3743 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 12.8612, 13.4752, 11.3743 by changing the saturation by 10% instead.

■ 12.8612, 13.4752,
11.3743

■ 12.8612, 13.4752,
11.3743

203.6818,
213.9411, 211.0465

■ 7.4094, 7.7566,
6.2019

■ 30.6576, 32.1549,
28.9974

■ 3.7680, 3.9396,
2.8974

■ 43.7330, 45.8848,
42.2852

■ 1.5717, 1.6398,
1.0425

■ 60.0802, 63.0538,
59.1151

■ 0.3739, 0.3842,
0.0000

■ 80.0646, 84.0465,
79.9058

■ 0.0000, 0.0000,
0.0000

■ 104.0516,
109.2472, 105.0757

132.4066,

139.0402, 135.0435

165.4949,
173.8101, 170.2276

■ 12.8612, 13.4752,
11.3743

■ 12.8612, 13.4752,
11.3743

■ 12.0709, 12.5735,
9.0174

■ 13.7373, 14.4397,
14.0946

■ 11.3620, 11.7312,
7.0073

■ 14.7011, 15.4668,
17.1921

■ 10.7316, 10.9471,
5.3274

■ 15.7558, 16.5585,
20.6810

■ 10.1759, 10.2194,
3.9595

■ 16.9042, 17.7164,
24.5747

■ 9.6909, 9.5461,
2.8833

■ 18.1488, 18.9418,
28.8856

■ 9.2721, 8.9249,
2.0765

■ 19.4920, 20.2359,
33.6258

■ 8.9144, 8.3534,
1.5132

■ 20.9364, 21.6002,
38.8069

■ 8.6013, 7.8246,
1.1087

■ 22.4841, 23.0357,
44.4400

■ 8.5512, 7.7403,
1.0433

■ 24.1374, 24.5439,
50.5357

Harmonies

Analogous

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



13.4910, 13.4752, 11.8502



12.8612, 13.4752, 11.3743



12.2374, 13.4752, 11.7181

Triad

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



12.8612, 13.4752, 11.3743



11.7299, 13.4752, 16.3938



13.8934, 13.4752, 16.6805

Complementary

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



12.8612, 13.4752, 11.3743



11.0630, 11.5935, 16.1228

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.



13.3956, 13.4752, 18.0852



12.8612, 13.4752, 11.3743



12.1480, 13.4752, 17.9101

Square

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



12.8612, 13.4752, 11.3743



11.5975, 13.4752, 14.5199



12.7545, 13.4752, 18.5529



14.0994, 13.4752, 14.8255

Rectangle

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



12.8612, 13.4752, 11.3743



11.9061, 13.4752, 12.3836



12.7545, 13.4752, 18.5529



13.7538, 13.4752, 17.2267

Sweetspot

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



12.8616, 13.4758, 11.3746



24.9616, 26.2479, 26.3899



11.9905, 11.2407, 12.6042



5.7916, 6.0897, 6.0868



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.



12.8616, 13.4758, 11.3746



22.4088, 23.4285, 18.4911



13.2158, 14.7228, 11.5966



3.2484, 3.4141, 3.3052



9.9788, 9.0073, 1.2126



50.0101, 44.2238, 5.9002

Inverse Universe

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



11.0630, 11.5935, 16.1228



18.5525, 19.3932, 28.6727



10.7465, 10.5244, 15.9331



3.0270, 3.1823, 3.8896



4.0229, 2.8802, 17.2661



19.7510, 13.1805, 87.7293

Previews

White Background



This preview shows how the XYZ color 12.8612, 13.4752, 11.3743 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 12.8612, 13.4752, 11.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

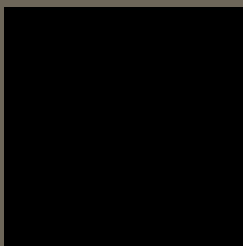
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

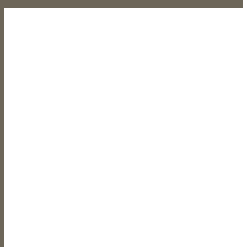
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8612, 13.4752, 11.3743

Background



This preview shows how black text looks on a background with the XYZ color 12.8612, 13.4752, 11.3743.

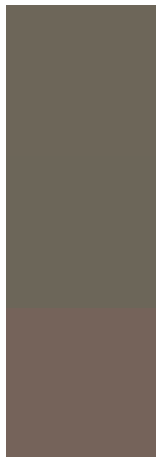


This preview shows how white text looks on a background with the XYZ color 12.8612, 13.4752,

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

12.8612, 13.4752, 11.3743

Protanopia

12.7389, 13.4122, 11.3686

Deuteranopia

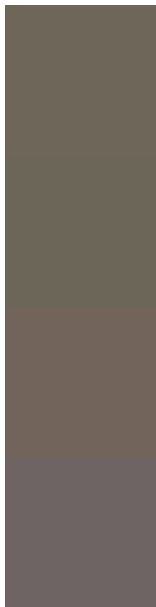
13.6434, 13.4438, 11.5487



Tritanopia

13.6712, 13.3647, 15.7690

Trichromacy



Original Color

12.8612, 13.4752, 11.3743

Protanomaly

12.7389, 13.4122, 11.3686

Deuteranomaly

13.3421, 13.4299, 11.5619

Tritanomaly

13.2878, 13.3494, 13.9329

Monochromacy



Original Color

12.8612, 13.4752, 11.3743

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8806, 13.5856, 13.4987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8612, 13.4752, 11.3743 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, 102, 89)` looks like.

```
.text, #text, p{  
    color:rgb(109, 102, 89)  
}
```

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, 102, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 102, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.8612, 13.4752, 11.3743 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".

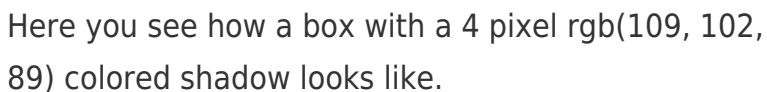
```
.border, #border, table{ border:4px solid rgb(109, 102, 89) }
```


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

```
.border{ border-color:rgb(109, 102, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 102, 89)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 102, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 102, 89);  
box-shadow:4px 4px 4px 4px rgb(109, 102,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8612, 13.4752, 11.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 102, 89) }
```

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

```
.background{ background-color: rgb(109,  
102, 89) }
```

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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