

Converting Colors

XYZ(13.7355, 10.4073, 7.3895)

Have a look what the booklet for
XYZ(13.7355, 10.4073, 7.3895)
contains.

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Color

**XYZ(13.8036, 10.4210,
7.4148)**

Conversions

Conversions Part 1

Format	Color
Hex	894848
RGB	137, 72, 72
RGB Percent	54%, 28%, 28%
CMY	0.4627, 0.7176, 0.7176
CMYK	0.00, 0.47, 0.47, 0.46
HSL	0°, 31%, 41%
HSV	0°, 47%, 54%
XYZ	13.8036, 10.4210, 7.4148
YIQ	91.4350, 38.7400, 13.7800

Conversions

Conversions Part 2

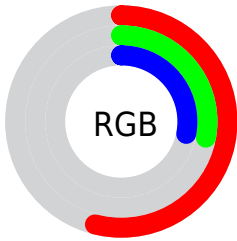
Format	Color
R_{YB}	137, 72, 72
Decimal	8996936
CIE Lab	38.59, 27.53, 12.44
CIE LCh	39, 30.208, 24.327
Yxy	10.4210, 0.4363, 0.3294
Android (android.graphics.Color)	4287187016 (0xFF894848)
YUV	91.4350, -9.5815, 39.9605
Hunter-Lab	32.2816, 19.8338, 8.9787

Details

The XYZ color **13.8036, 10.4210, 7.4148** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **16.1330, 21.0741, 26.8843**, and the grayscale version is **10.0584, 10.5822, 11.5240**.

A 20% lighter version of the original color is **32.3420, 26.6126, 21.2014**, and **4.2256, 2.6688, 1.4548** is the 20% darker color. If you saturate the color by 10%, you get **12.6164, 8.6839, 5.0544**, and if you desaturate by 10%, it is **15.2883, 12.5938, 10.3660**.

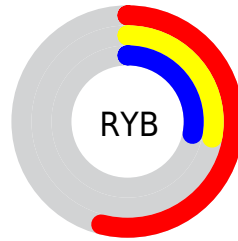
Distribution



Red (54%)

Green (28%)

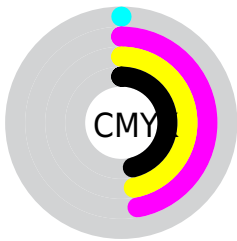
Blue (28%)



Red (54%)

Yellow (28%)

Blue (28%)

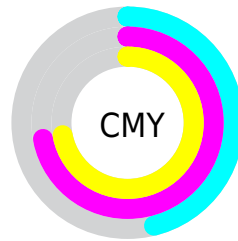


Cyan (0%)

Magenta (47%)

Yellow (47%)

Black (46%)



Cyan (46%)


Magenta (72%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8036, 10.4210, 7.4148 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 13.8036, 10.4210, 7.4148 by changing the saturation by 10% instead.


 13.8036, 10.4210,
7.4148


 13.8036, 10.4210,
7.4148


209.5407,
193.6510, 180.8268


 8.0650, 5.6790,
3.6405


 32.3293, 26.5844,
21.3299


 4.1887, 2.6509,
1.4303

 45.8471, 38.7746,
32.3077


 1.8094, 0.9523,
0.1652

 62.6887, 54.2162,
46.5238

 0.5233, 0.0000,
0.0000

 83.2194, 73.2938,
64.3966

 0.0000, 0.0000,
0.0000

 107.8046, 96.3917,
86.3448

136.8097,

123.8942, 112.7869

170.5999,
156.1859, 144.1414

■ 13.8036, 10.4210,
7.4148

■ 13.8036, 10.4210,
7.4148

■ 12.6164, 8.6839,
5.0544

■ 15.2883, 12.5938,
10.3660

■ 11.7059, 7.3516,
3.2445

■ 17.0879, 15.2271,
13.9435

■ 11.0501, 6.3919,
1.9408

■ 19.2193, 18.3459,
18.1806

■ 10.6229, 5.7668,
1.0918

■ 21.6980, 21.9729,
23.1081

■ 10.3738, 5.4022,
0.5965

■ 24.5385, 26.1293,
28.7550

■ 10.3166, 5.3185,
0.4828

■ 27.7545, 30.8352,
35.1484

■ 31.3590, 36.1096,
42.3142

■ 35.3644, 41.9706,
50.2770

■ 39.7825, 48.4355,
59.0602

Harmonies

Analogous

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



14.2068, 10.4210, 12.4614



13.8036, 10.4210, 7.4148



12.3003, 10.4210, 4.5842

Triad

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



13.8036, 10.4210, 7.4148



7.1177, 10.4210, 6.0934



9.5325, 10.4210, 26.0611

Complementary

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



13.8036, 10.4210, 7.4148



16.1330, 21.0741, 26.8843

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.



7.8425, 10.4210, 22.7376



13.8036, 10.4210, 7.4148



6.5729, 10.4210, 10.3006

Square

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



13.8036, 10.4210, 7.4148



8.4150, 10.4210, 4.0189



6.8194, 10.4210, 16.4688



11.5610, 10.4210, 24.4979

Rectangle

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



13.8036, 10.4210, 7.4148



10.9716, 10.4210, 3.7432



6.8194, 10.4210, 16.4688



8.9096, 10.4210, 25.4519

Sweetspot

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



13.8039, 10.4215, 7.4150



35.7422, 34.7913, 35.1899



17.1492, 11.7593, 25.0328



7.8365, 7.5397, 7.5345



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.8039, 10.4215, 7.4150



22.4431, 15.3310, 8.7522



16.4870, 15.7879, 8.3094



5.0329, 5.0486, 5.2616



9.6099, 4.9542, 0.4498



0.0638, 0.0329, 0.0030

Inverse Universe

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



16.1330, 21.0741, 26.8843



27.1459, 36.8398, 48.0632



12.1887, 13.1855, 25.5695



5.1728, 5.6886, 6.4312



12.5378, 18.3460, 24.9260



0.0833, 0.1219, 0.1656

Previews

White Background



This preview shows how the XYZ color 13.8036, 10.4210, 7.4148 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 13.8036, 10.4210, 7.4148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

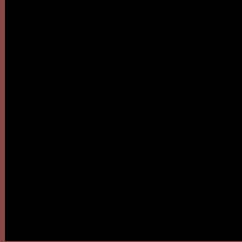
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8036, 10.4210, 7.4148

Background



This preview shows how black text looks on a background with the XYZ color 13.8036, 10.4210, 7.4148.



This preview shows how white text looks on a background with the XYZ color 13.8036, 10.4210,

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

13.8036, 10.4210, 7.4148

Protanopia

9.9456, 10.5091, 9.2889

Deuteranopia

10.7482, 10.5973, 7.1092



Tritanopia

13.8743, 10.3466, 8.1033

Trichromacy



Original Color

13.8036, 10.4210, 7.4148

Protanomaly

10.9759, 10.2057, 8.5991

Deuteranomaly

11.7305, 10.3987, 7.1832

Tritanomaly

13.8398, 10.3328, 7.9216

Monochromacy



Original Color

13.8036, 10.4210, 7.4148

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.9549, 10.1689, 9.7729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8036, 10.4210, 7.4148 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(137, 72, 72)` looks like.

```
.text, #text, p{  
    color:rgb(137, 72, 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(137, 72, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 72, 72) }
```

Border

The CSS property to change the border of an element to XYZ 13.8036, 10.4210, 7.4148 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(137, 72, 72) }
```


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

```
.border{ border-color:rgb(137, 72, 72) }
```

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

Here you see how a box with a 4 pixel rgb(137, 72, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 72, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 72, 72);  
box-shadow:4px 4px 4px 4px rgb(137, 72,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8036, 10.4210, 7.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 72, 72) }
```

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

```
.background{ background-color: rgb(137, 72,  
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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