

Converting Colors

XYZ(13.8840, 12.9093, 17.9045)

Have a look what the booklet for
XYZ(13.8840, 12.9093, 17.9045)
contains.

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Color

**XYZ(13.8688, 12.8670,
17.9723)**

Conversions

Conversions Part 1

Format	Color
Hex	705F73
RGB	112, 95, 115
RGB Percent	44%, 37%, 45%
CMY	0.5608, 0.6274, 0.5490
CMYK	0.03, 0.17, 0.00, 0.55
HSL	291°, 10%, 41%
HSV	291°, 17%, 45%
XYZ	13.8688, 12.8670, 17.9723
YIQ	102.3630, 3.7120, 9.8240

Conversions

Conversions Part 2

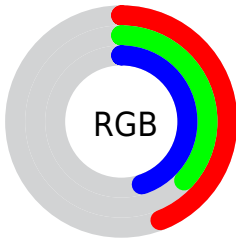
Format	Color
R_{YB}	112, 95, 115
Decimal	7364467
CIE Lab	42.56, 10.81, -8.74
CIE LCh	43, 13.900, 321.037
Yxy	12.8670, 0.3102, 0.2878
Android (android.graphics.Color)	4285554547 (0xFF705F73)
YUV	102.3630, 6.2300, 8.4516
Hunter-Lab	35.8706, 6.2406, -4.5967

Details

The XYZ color **13.8688, 12.8670, 17.9723** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2339, 15.6848, 13.1571**, and the grayscale version is **12.7082, 13.3700, 14.5599**.

A 20% lighter version of the original color is **32.4103, 30.9333, 40.8217**, and **4.2258, 3.6919, 5.8001** is the 20% darker color. If you saturate the color by 10%, you get **12.6911, 10.8342, 17.6422**, and if you desaturate by 10%, it is **15.2044, 15.2089, 18.3541**.

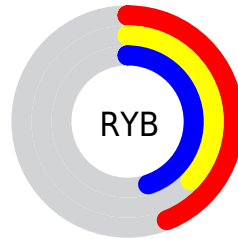
Distribution



Red (44%)

Green (37%)

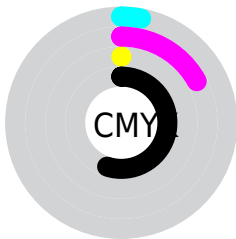
Blue (45%)



Red (44%)

Yellow (37%)

Blue (45%)

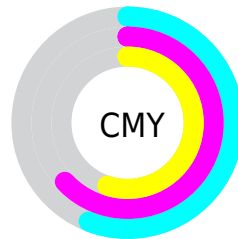


Cyan (3%)

Magenta (17%)

Yellow (0%)

Black (55%)



Cyan (56%)

Magenta (63%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8688, 12.8670, 17.9723 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 13.8688, 12.8670, 17.9723 by changing the saturation by 10% instead.

■ 13.8688, 12.8670,
17.9723

■ 13.8688, 12.8670,
17.9723

209.9401,
210.0635, 252.9457

■ 8.1106, 7.3370,
10.7609

■ 32.4443, 31.0646,
40.8034

■ 4.2182, 3.6738,
5.7941

■ 45.9922, 44.5011,
57.2602

■ 1.8263, 1.4928,
2.6535

■ 62.8674, 61.3418,
77.6358

■ 0.5334, 0.2836,
0.9199

■ 83.4353, 81.9712,
102.3488

■ 0.0000, 0.0000,
0.0000

108.0611,
106.7737, 131.8178

137.1103,

136.1337, 166.4612

170.9482,
170.4355, 206.6977

■ 13.8688, 12.8670,
17.9723

■ 13.8688, 12.8670,
17.9723

■ 12.6911, 10.8342,
17.6422

■ 15.2044, 15.2089,
18.3541

■ 11.6635, 9.0956,
17.3608

■ 16.7031, 17.8709,
18.7890

■ 10.7792, 7.6374,
17.1259

■ 18.3711, 20.8654,
19.2790

■ 10.0303, 6.4439,
16.9350

■ 20.2142, 24.2035,
19.8262

■ 9.4084, 5.4982,
16.7853

■ 22.2377, 27.8961,
20.4323

8.9037, 4.7810,
16.6734

24.4467, 31.9533,
21.0990

8.5055, 4.2705,
16.5959

26.8462, 36.3850,
21.8279

8.1855, 3.9107,
16.5433

29.4408, 41.2007,
22.6207

8.1043, 3.8205,
16.5302

32.2353, 46.4093,
23.4788

Harmonies

Analogous

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



12.9694, 12.8670, 20.1339



13.8688, 12.8670, 17.9723



14.3358, 12.8670, 14.9309

Triad

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



13.8688, 12.8670, 17.9723



12.5472, 12.8670, 9.0366



10.4393, 12.8670, 16.1913

Complementary

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



13.8688, 12.8670, 17.9723



13.2339, 15.6848, 13.1571

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.



10.3407, 12.8670, 13.1278



13.8688, 12.8670, 17.9723



11.5187, 12.8670, 9.2738

Square

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



13.8688, 12.8670, 17.9723



13.5446, 12.8670, 9.9755



10.7251, 12.8670, 10.6775



11.0028, 12.8670, 19.0076

Rectangle

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



13.8688, 12.8670, 17.9723



14.3217, 12.8670, 12.9312



10.7251, 12.8670, 10.6775



10.3520, 12.8670, 15.1471

Sweetspot

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



13.8692, 12.8676, 17.9726



27.8061, 28.2595, 33.0336



12.2134, 12.4692, 17.9830



6.5990, 6.6807, 7.8707



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.8692, 12.8676, 17.9726



23.9235, 21.4603, 31.9258



13.8874, 12.9197, 16.0428



3.7753, 3.7315, 4.6115



9.2509, 4.3603, 18.8966



44.5087, 20.9536, 92.0589

Inverse Universe

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



13.3676, 12.7117, 13.3051



22.8529, 21.1311, 21.8092



13.2323, 15.6474, 14.8073



3.7043, 3.7090, 3.9696



8.1950, 4.2117, 0.9690



39.7302, 20.4422, 3.6428

Previews

White Background



This preview shows how the XYZ color 13.8688, 12.8670, 17.9723 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 13.8688, 12.8670, 17.9723 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 13.8688, 12.8670, 17.9723

Background



This preview shows how black text looks on a background with the XYZ color 13.8688, 12.8670, 17.9723.



This preview shows how white text looks on a background with the XYZ color 13.8688, 12.8670,

17.9723.

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

13.8688, 12.8670, 17.9723

Protanopia

12.7570, 12.9637, 18.9694

Deuteranopia

13.1139, 12.8933, 17.7171



Tritanopia

13.2038, 12.8639, 14.8838

Trichromacy



Original Color

13.8688, 12.8670, 17.9723

Protanomaly

13.0581, 12.8445, 18.6206

Deuteranomaly

13.3754, 12.8901, 17.7027

Tritanomaly

13.4452, 12.8280, 15.9548

Monochromacy



Original Color

13.8688, 12.8670, 17.9723

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.0595, 13.0494, 15.7404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8688, 12.8670, 17.9723 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(112, 95, 115)` looks like.

```
.text, #text, p{  
    color:rgb(112, 95, 115)  
}
```

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(112, 95, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 95, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.8688, 12.8670, 17.9723 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(112, 95, 115) }
```


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

```
.border{ border-color:rgb(112, 95, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 95, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 95, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 95, 115);  
box-shadow:4px 4px 4px 4px rgb(112, 95,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8688, 12.8670, 17.9723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 95, 115) }
```

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

```
.background{ background-color: rgb(112, 95,  
115) }
```

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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