

Converting Colors

XYZ(12.3578, 10.7470, 12.9270)

Have a look what the booklet for
XYZ(12.3578, 10.7470, 12.9270)
contains.

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Color

**XYZ(12.3681, 10.7132,
12.9713)**

Conversions

Conversions Part 1

Format	Color
Hex	735362
RGB	115, 83, 98
RGB Percent	45%, 33%, 38%
CMY	0.5490, 0.6745, 0.6157
CMYK	0.00, 0.28, 0.15, 0.55
HSL	332°, 16%, 39%
HSV	332°, 28%, 45%
XYZ	12.3681, 10.7132, 12.9713
YIQ	94.2780, 14.2570, 11.4490

Conversions

Conversions Part 2

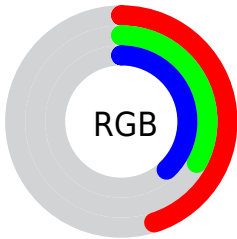
Format	Color
RYB	115, 83, 98
Decimal	7557986
CIELab	39.09, 15.90, -3.42
CIELCh	39, 16.265, 347.857
Yxy	10.7132, 0.3431, 0.2972
Android (android.graphics.Color)	4285748066 (0xFF735362)
YUV	94.2780, 1.8349, 18.1732
Hunter-Lab	32.7310, 10.1707, -0.5849

Details

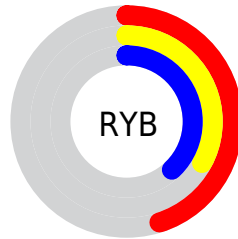
The XYZ color **12.3681, 10.7132, 12.9713** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.9987, 15.0208, 14.3242**, and the grayscale version is **10.6988, 11.2560, 12.2578**.

A 20% lighter version of the original color is **29.7487, 27.1605, 32.1083**, and **3.5597, 2.7924, 3.6002** is the 20% darker color. If you saturate the color by 10%, you get **11.2826, 8.9864, 11.2401**, and if you desaturate by 10%, it is **13.6222, 12.7417, 14.8676**.

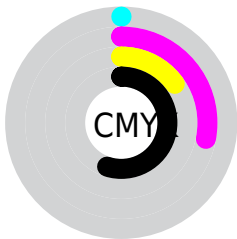
Distribution



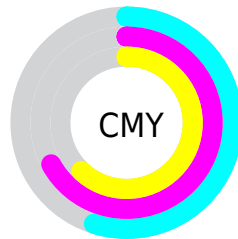
- Red (45%)
- Green (33%)
- Blue (38%)



- Red (45%)
- Yellow (33%)
- Blue (38%)



- Cyan (0%)
- Magenta (28%)
- Yellow (15%)
- Black (55%)



- Cyan (55%)
- Magenta (67%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3681, 10.7132, 12.9713 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 12.3681, 10.7132, 12.9713 by changing the saturation by 10% instead.

■ 12.3681, 10.7132,
12.9713

■ 12.3681, 10.7132,
12.9713

200.5477,
195.6892, 221.9350

■ 7.0689, 5.8743,
7.2783

■ 29.7748, 27.1286,
31.9426

■ 3.5519, 2.7688,
3.5557

■ 42.6131, 39.4739,
46.0581

■ 1.4519, 1.0123,
1.3849

■ 58.6950, 55.0901,
63.8180

■ 0.2928, 0.0000,
0.1299

■ 78.3860, 74.3617,
85.6411

■ 0.0000, 0.0000,
0.0000

■ 102.0514, 97.6730,
111.9458

130.0566,

125.4084, 143.1506

162.7669,
157.9524, 179.6742

■ 12.3681, 10.7132,
12.9713

■ 12.3681, 10.7132,
12.9713

■ 11.2826, 8.9864,
11.2401

■ 13.6222, 12.7417,
14.8676

■ 10.3572, 7.5452,
9.6684

■ 15.0511, 15.0842,
16.9331

■ 9.5838, 6.3745,
8.2512

■ 16.6620, 17.7536,
19.1724

■ 8.9533, 5.4567,
6.9828

■ 18.4611, 20.7623,
21.5901

■ 8.4555, 4.7725,
5.8571

■ 20.4546, 24.1214,
24.1901

■ 8.0789, 4.2996,
4.8675

■ 22.6483, 27.8421,
26.9765

■ 7.7926, 3.9773,
4.0007

■ 25.0476, 31.9345,
29.9531

■ 7.7339, 3.9103,
3.8252

■ 27.6579, 36.4089,
33.1238

■ 30.4842, 41.2747,
36.4922

Harmonies

Analogous

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



11.8141, 10.7132, 16.1652



12.3681, 10.7132, 12.9713



12.3068, 10.7132, 9.9222

Triad

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



12.3681, 10.7132, 12.9713



9.5544, 10.7132, 6.8404



8.8422, 10.7132, 16.6959

Complementary

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



12.3681, 10.7132, 12.9713



11.9987, 15.0208, 14.3242

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.



8.3181, 10.7132, 13.6005



12.3681, 10.7132, 12.9713



8.7086, 10.7132, 8.0884

Square

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



12.3681, 10.7132, 12.9713



10.6291, 10.7132, 6.7326



8.2710, 10.7132, 10.4492



9.7488, 10.7132, 18.5584

Rectangle

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



12.3681, 10.7132, 12.9713



11.9255, 10.7132, 8.3604



8.2710, 10.7132, 10.4492



8.6183, 10.7132, 15.7422

Sweetspot

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



12.3684, 10.7137, 12.9715



26.8469, 26.8381, 30.1731



11.3923, 10.1077, 17.5703



6.3232, 6.2685, 7.0823



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.



12.3684, 10.7137, 12.9715



20.9378, 17.2527, 21.3195



11.7662, 10.5383, 9.5982



3.7487, 3.7268, 4.2037



8.8306, 4.4660, 4.3162



42.6072, 21.5930, 18.7928

Inverse Universe

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



12.3684, 10.7137, 12.9715



20.9378, 17.2527, 21.3195



12.7322, 15.2172, 18.4859



3.7487, 3.7268, 4.2037



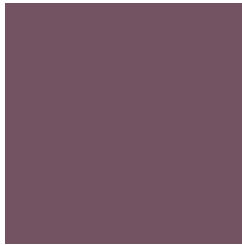
8.8306, 4.4660, 4.3162



42.6072, 21.5930, 18.7928

Previews

White Background



This preview shows how the XYZ color 12.3681, 10.7132, 12.9713 looks on a white background.

Color Contrast Check

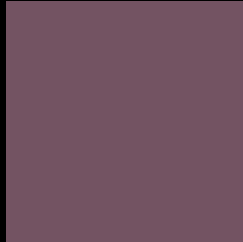
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3681, 10.7132, 12.9713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

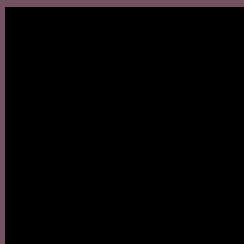
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3681, 10.7132, 12.9713

Background



This preview shows how black text looks on a background with the XYZ color 12.3681, 10.7132, 12.9713.



This preview shows how white text looks on a background with the XYZ color 12.3681, 10.7132,

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

12.3681, 10.7132, 12.9713

Protanopia

10.5897, 10.8577, 14.3696

Deuteranopia

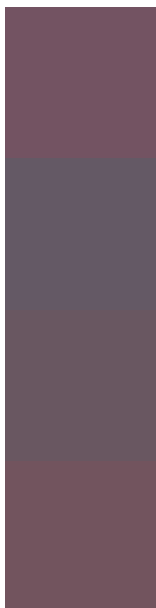
10.9594, 10.8280, 12.8217



Tritanopia

11.9981, 10.6734, 11.3253

Trichromacy



Original Color

12.3681, 10.7132, 12.9713

Protanomaly

11.1769, 10.7937, 13.8062

Deuteranomaly

11.3916, 10.6827, 12.7708

Tritanomaly

12.1301, 10.7262, 12.0207

Monochromacy



Original Color

12.3681, 10.7132, 12.9713

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.2012, 10.9633, 12.3522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3681, 10.7132, 12.9713 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(115, 83, 98)` looks like.

```
.text, #text, p{  
    color:rgb(115, 83, 98)  
}
```

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(115, 83, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 83, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.3681, 10.7132, 12.9713 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(115, 83, 98) }
```


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

```
.border{ border-color:rgb(115, 83, 98) }
```

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

Here you see how a box with a 4 pixel rgb(115, 83, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 83, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 83, 98);  
box-shadow:4px 4px 4px 4px rgb(115, 83,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3681, 10.7132, 12.9713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 83, 98) }
```

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

```
.background{ background-color: rgb(115, 83,  
98) }
```

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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