

Converting Colors

XYZ(12.3108, 10.7888, 12.5282)

Have a look what the booklet for
XYZ(12.3108, 10.7888, 12.5282)
contains.

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Color

**XYZ(12.3519, 10.8300,
12.5057)**

Conversions

Conversions Part 1

Format	Color
Hex	735460
RGB	115, 84, 96
RGB Percent	45%, 33%, 38%
CMY	0.5490, 0.6706, 0.6235
CMYK	0.00, 0.27, 0.17, 0.55
HSL	337°, 16%, 39%
HSV	337°, 27%, 45%
XYZ	12.3519, 10.8300, 12.5057
YIQ	94.6370, 14.6240, 10.3040

Conversions

Conversions Part 2

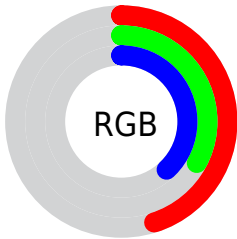
Format	Color
R _Y B	115, 84, 96
Decimal	7558240
CIE Lab	39.29, 14.93, -1.89
CIE LCh	39, 15.049, 352.802
Yxy	10.8300, 0.3461, 0.3035
Android (android.graphics.Color)	4285748320 (0xFF735460)
YUV	94.6370, 0.6720, 17.8584
Hunter-Lab	32.9090, 9.4067, 0.5055

Details

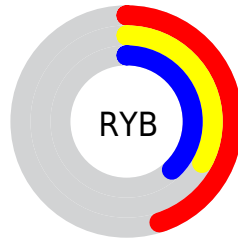
The XYZ color **12.3519, 10.8300, 12.5057** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.2355, 15.1259, 15.1074**, and the grayscale version is **10.7868, 11.3485, 12.3585**.

A 20% lighter version of the original color is **29.6498, 27.3410, 30.9088**, and **3.5480, 2.8396, 3.3787** is the 20% darker color. If you saturate the color by 10%, you get **11.2215, 9.0653, 10.5989**, and if you desaturate by 10%, it is **13.6586, 12.9004, 14.6151**.

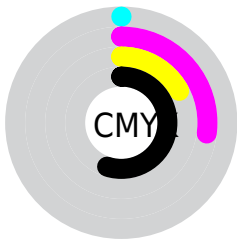
Distribution



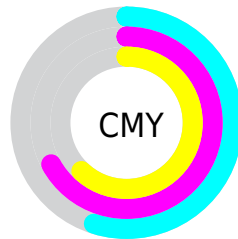
- Red (45%)
- Green (33%)
- Blue (38%)



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



- Cyan (0%)
- Magenta (27%)
- Yellow (17%)
- Black (55%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3519, 10.8300, 12.5057 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 12.3519, 10.8300, 12.5057 by changing the saturation by 10% instead.

■ 12.3519, 10.8300,
12.5057

■ 12.3519, 10.8300,
12.5057

200.4439,
196.4975, 218.8204

■ 7.0577, 5.9526,
6.9624

■ 29.7457, 27.3454,
31.0909

■ 3.5449, 2.8163,
3.3605

■ 42.5761, 39.7522,
44.9699

■ 1.4480, 1.0366,
1.2815

■ 58.6492, 55.4376,
62.4644

■ 0.2901, 0.0000,
0.0466

■ 78.3305, 74.7860,
83.9931

■ 0.0000, 0.0000,
0.0000

■ 101.9853, 98.1818,
109.9746

129.9788,

126.0094, 140.8272

162.6766,
158.6532, 176.9697

■ 12.3519, 10.8300,
12.5057

■ 12.3519, 10.8300,
12.5057

■ 11.2215, 9.0653,
10.5989

■ 13.6586, 12.9004,
14.6151

■ 10.2585, 7.5904,
8.8876

■ 15.1482, 15.2888,
16.9326

■ 9.4548, 6.3898,
7.3654


■ 16.8277, 18.0084,
19.4641


■ 8.8010, 5.4462,
6.0250


■ 18.7039, 21.0712,
22.2153


■ 8.2867, 4.7404,
4.8587


■ 20.7829, 24.4887,
25.1914


 7.9002, 4.2502,
3.8580


 23.0709, 28.2719,
28.3977

 7.6146, 3.9234,
3.0092

 25.5734, 32.4312,
31.8390

 7.5346, 3.8306,
2.7758

 28.2960, 36.9767,
35.5203

 31.2440, 41.9180,
39.4462

Harmonies

Analogous

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



11.9263, 10.8300, 15.5007



12.3519, 10.8300, 12.5057



12.1978, 10.8300, 9.7575

Triad

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



12.3519, 10.8300, 12.5057



9.5562, 10.8300, 7.3568



9.1591, 10.8300, 16.8232

Complementary

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



12.3519, 10.8300, 12.5057



12.2355, 15.1259, 15.1074

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.



8.5986, 10.8300, 14.0914



12.3519, 10.8300, 12.5057



8.8172, 10.8300, 8.7278

Square

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



12.3519, 10.8300, 12.5057



10.5399, 10.8300, 7.0740



8.4777, 10.8300, 11.1060



10.0512, 10.8300, 18.2456

Rectangle

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



12.3519, 10.8300, 12.5057



11.7916, 10.8300, 8.3900



8.4777, 10.8300, 11.1060



8.9282, 10.8300, 16.0081

Sweetspot

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



12.3522, 10.8305, 12.5059



26.7721, 26.8082, 29.7789



11.8130, 10.4389, 17.6122



6.3028, 6.2603, 6.9748



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.



12.3522, 10.8305, 12.5059



20.8897, 17.4688, 20.3408



12.0872, 11.1180, 9.8970



3.7372, 3.7222, 4.1428



8.6035, 4.3751, 3.1202



41.5333, 21.1635, 13.1379

Inverse Universe

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



12.3522, 10.8305, 12.5059



20.8897, 17.4688, 20.3408



12.5342, 14.6893, 18.3946



3.7372, 3.7222, 4.1428



8.6035, 4.3751, 3.1202



41.5333, 21.1635, 13.1379

Previews

White Background



This preview shows how the XYZ color 12.3519, 10.8300, 12.5057 looks on a white background.

Color Contrast Check

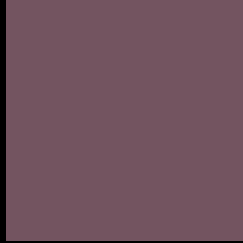
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3519, 10.8300, 12.5057 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 12.3519, 10.8300, 12.5057

Background



This preview shows how black text looks on a background with the XYZ color 12.3519, 10.8300, 12.5057.



This preview shows how white text looks on a background with the XYZ color 12.3519, 10.8300,

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

12.3519, 10.8300, 12.5057

Protanopia

10.5897, 10.8692, 13.8517

Deuteranopia

11.0886, 10.9053, 12.3470



Tritanopia

12.0763, 10.8297, 11.3514

Trichromacy



Original Color

12.3519, 10.8300, 12.5057

Protanomaly

11.0800, 10.7549, 13.2963

Deuteranomaly

11.4991, 10.8698, 12.3185

Tritanomaly

12.1637, 10.8647, 11.8119

Monochromacy



Original Color

12.3519, 10.8300, 12.5057

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.2861, 11.1332, 12.3805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3519, 10.8300, 12.5057 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, 84, 96)` looks like.

```
.text, #text, p{  
    color:rgb(115, 84, 96)  
}
```

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, 84, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 84, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.3519, 10.8300, 12.5057 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, 84, 96) }
```


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

```
.border{ border-color:rgb(115, 84, 96) }
```

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

Here you see how a box with a 4 pixel rgb(115, 84, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 84, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 84, 96);  
box-shadow:4px 4px 4px 4px rgb(115, 84,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3519, 10.8300, 12.5057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 84, 96) }
```

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

```
.background{ background-color: rgb(115, 84,  
96) }
```

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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