

Converting Colors

XYZ(12.1243, 10.5708, 13.7133)

Have a look what the booklet for
XYZ(12.1243, 10.5708, 13.7133)
contains.

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Color

**XYZ(12.1243, 10.5708,
13.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	705365
RGB	112, 83, 101
RGB Percent	44%, 33%, 40%
CMY	0.5608, 0.6745, 0.6039
CMYK	0.00, 0.26, 0.10, 0.56
HSL	323°, 15%, 38%
HSV	323°, 26%, 44%
XYZ	12.1243, 10.5708, 13.7133
YIQ	93.7230, 11.5060, 11.7460

Conversions

Conversions Part 2

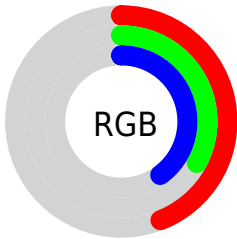
Format	Color
R_{YB}	112, 83, 101
Decimal	7361381
CIE Lab	38.85, 15.28, -5.69
CIE LCh	39, 16.306, 339.592
Yxy	10.5708, 0.3330, 0.2903
Android (android.graphics.Color)	4285551461 (0xFF705365)
YUV	93.7230, 3.5876, 16.0289
Hunter-Lab	32.5128, 9.6669, -2.2485

Details

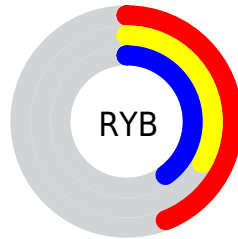
The XYZ color **12.1243, 10.5708, 13.7133** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.3822, 14.2358, 12.7381**, and the grayscale version is **10.5641, 11.1143, 12.1034**.

A 20% lighter version of the original color is **29.3649, 26.9346, 33.3570**, and **3.4733, 2.7426, 3.8363** is the 20% darker color. If you saturate the color by 10%, you get **11.1329, 8.9125, 12.3823**, and if you desaturate by 10%, it is **13.2655, 12.5113, 15.1476**.

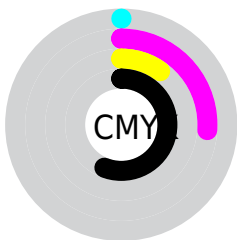
Distribution



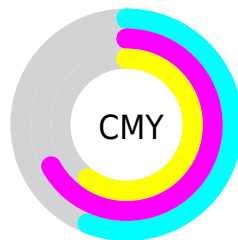
- Red (44%)
- Green (33%)
- Blue (40%)



- Red (44%)
- Yellow (33%)
- Blue (40%)



- Cyan (0%)
- Magenta (26%)
- Yellow (10%)
- Black (56%)



- Cyan (56%)
- Magenta (67%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1243, 10.5708, 13.7133 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 12.1243, 10.5708, 13.7133 by changing the saturation by 10% instead.

■ 12.1243, 10.5708,
13.7133

■ 12.1243, 10.5708,
13.7133

198.9796,
194.6988, 226.8060

■ 6.9012, 5.7790,
7.7851

■ 29.3362, 26.8637,
33.2892

■ 3.4462, 2.7112,
3.8719

■ 42.0557, 39.1337,
47.7740

■ 1.3939, 0.9829,
1.5554

■ 58.0047, 54.6651,
65.9480

■ 0.2518, 0.0000,
0.2587

■ 77.5485, 73.8425,
88.2298

■ 0.0000, 0.0000,
0.0000

■ 101.0526, 97.0501,
115.0380

128.8822,

124.6725, 146.7911

161.4028,
157.0939, 183.9075

■ 12.1243, 10.5708,
13.7133

■ 12.1243, 10.5708,
13.7133

■ 11.1329, 8.9125,
12.3823

■ 13.2655, 12.5113,
15.1476

■ 10.2836, 7.5215,
11.1508

■ 14.5620, 14.7450,
16.6875

■ 9.5694, 6.3840,
10.0159

■ 16.0201, 17.2841,
18.3358

■ 8.9823, 5.4842,
8.9740

■ 17.6453, 20.1396,
20.0953

■ 8.5132, 4.8044,
8.0213

■ 19.4431, 23.3220,
21.9683

■ 8.1521, 4.3245,
7.1535

■ 21.4186, 26.8414,
23.9575

■ 7.8778, 4.0030,
6.3627

■ 23.5767, 30.7072,
26.0651

■ 7.7724, 3.8809,
6.0539

■ 25.9221, 34.9288,
28.2933

■ 28.4593, 39.5150,
30.6444

Harmonies

Analogous

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



11.4312, 10.5708, 16.7345



12.1243, 10.5708, 13.7133



12.2396, 10.5708, 10.5460

Triad

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



12.1243, 10.5708, 13.7133



9.7048, 10.5708, 6.5808



8.5288, 10.5708, 15.7365

Complementary

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



12.1243, 10.5708, 13.7133



11.3822, 14.2358, 12.7381

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.



8.1336, 10.5708, 12.5306



12.1243, 10.5708, 13.7133



8.7797, 10.5708, 7.5044

Square

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



12.1243, 10.5708, 13.7133



10.7897, 10.5708, 6.7829



8.2221, 10.5708, 9.5560



9.3396, 10.5708, 18.0402

Rectangle

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



12.1243, 10.5708, 13.7133



11.9656, 10.5708, 8.8130



8.2221, 10.5708, 9.5560



8.3457, 10.5708, 14.7073

Sweetspot

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



12.1246, 10.5713, 13.7135



25.0287, 24.9463, 28.6715



10.5969, 9.7172, 16.6465



5.9430, 5.8723, 6.8059



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.1246, 10.5713, 13.7135



20.2373, 16.7873, 22.6848



11.4906, 10.3177, 10.3747



3.4633, 3.4330, 3.9667



8.9741, 4.4820, 6.9393



44.2744, 22.1551, 32.3066

Inverse Universe

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



12.1246, 10.5713, 13.7135



20.2373, 16.7873, 22.6848



12.0757, 14.5132, 16.3897



3.4633, 3.4330, 3.9667



8.9741, 4.4820, 6.9393



44.2744, 22.1551, 32.3066

Previews

White Background



This preview shows how the XYZ color 12.1243, 10.5708, 13.7133 looks on a white background.

Color Contrast Check

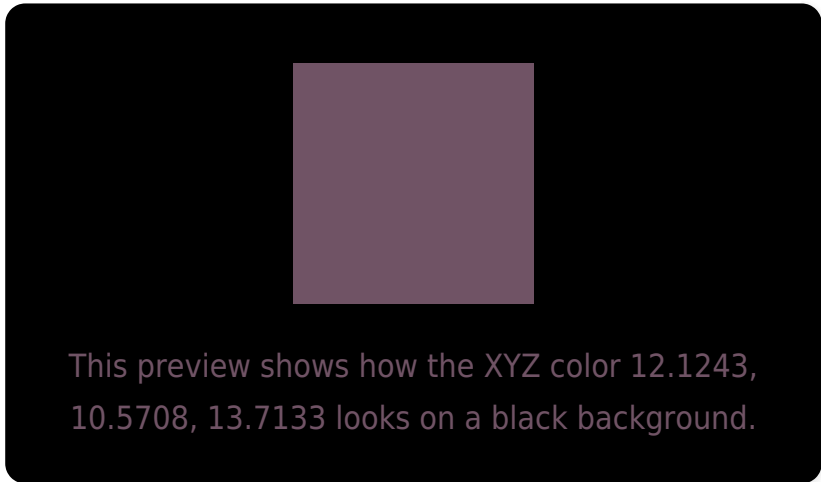
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

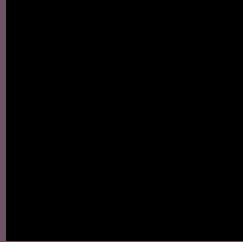
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1243, 10.5708, 13.7133

Background



This preview shows how black text looks on a background with the XYZ color 12.1243, 10.5708, 13.7133.



This preview shows how white text looks on a background with the XYZ color 12.1243, 10.5708,

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

12.1243, 10.5708, 13.7133

Protanopia

10.4624, 10.6466, 15.1392

Deuteranopia

10.8024, 10.6062, 13.5345



Tritanopia

11.6924, 10.6318, 11.3334

Trichromacy



Original Color

12.1243, 10.5708, 13.7133

Protanomaly

10.9182, 10.5203, 14.5519

Deuteranomaly

11.1879, 10.5613, 13.5055

Tritanomaly

11.7914, 10.5464, 12.2407

Monochromacy



Original Color

12.1243, 10.5708, 13.7133

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.1807, 10.9421, 12.8320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1243, 10.5708, 13.7133 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, 83, 101)` looks like.

```
.text, #text, p{  
    color:rgb(112, 83, 101)  
}
```

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, 83, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 83, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.1243, 10.5708, 13.7133 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, 83, 101) }
```


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

```
.border{ border-color:rgb(112, 83, 101) }
```

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

Here you see how a box with a 4 pixel rgb(112, 83, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 83, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 83, 101);  
box-shadow:4px 4px 4px 4px rgb(112, 83,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1243, 10.5708, 13.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 83, 101) }
```

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

```
.background{ background-color: rgb(112, 83,  
101) }
```

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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