

Converting Colors

XYZ(12.9323, 12.7415, 14.0911)

Have a look what the booklet for
XYZ(12.9323, 12.7415, 14.0911)
contains.

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Color

**XYZ(12.9303, 12.7402,
14.0895)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6165
RGB	109, 97, 101
RGB Percent	43%, 38%, 40%
CMY	0.5725, 0.6196, 0.6039
CMYK	0.00, 0.11, 0.07, 0.57
HSL	340°, 6%, 40%
HSV	340°, 11%, 43%
XYZ	12.9303, 12.7402, 14.0895
YIQ	101.0440, 5.8680, 3.7880

Conversions

Conversions Part 2

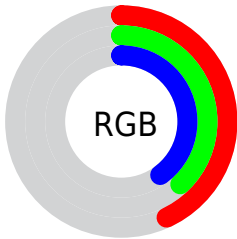
Format	Color
R_{YB}	109, 97, 101
Decimal	7168357
CIE Lab	42.37, 5.56, -0.52
CIE LCh	42, 5.587, 354.624
Yxy	12.7402, 0.3252, 0.3204
Android (android.graphics.Color)	4285358437 (0xFF6D6165)
YUV	101.0440, -0.0217, 6.9774
Hunter-Lab	35.6934, 2.1999, 1.5815

Details

The XYZ color **12.9303, 12.7402, 14.0895** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9487, 14.4988, 15.4814**, and the grayscale version is **12.3803, 13.0250, 14.1843**.

A 20% lighter version of the original color is **30.9553, 31.0239, 34.0624**, and **3.7741, 3.6261, 3.9910** is the 20% darker color. If you saturate the color by 10%, you get **11.6511, 10.7266, 11.9832**, and if you desaturate by 10%, it is **14.3801, 15.0443, 16.4084**.

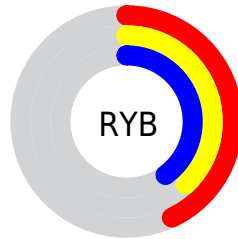
Distribution



Red (43%)

Green (38%)

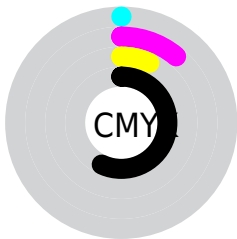
Blue (40%)



Red (43%)

Yellow (38%)

Blue (40%)

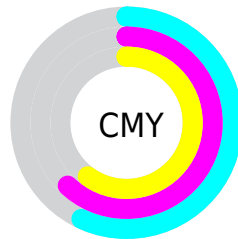


Cyan (0%)

Magenta (11%)

Yellow (7%)

Black (57%)



Cyan (57%)

Magenta (62%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9303, 12.7402, 14.0895 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 12.9303, 12.7402, 14.0895 by changing the saturation by 10% instead.

■ 12.9303, 12.7402,
14.0895

■ 12.9303, 12.7402,
14.0895

204.1171,
209.2459, 229.2347

■ 7.4572, 7.2499,
8.0435

■ 30.7809, 30.8362,
33.9672

■ 3.7985, 3.6189,
4.0346

■ 43.8891, 44.2108,
48.6359

■ 1.5888, 1.4627,
1.6444

■ 60.2731, 60.9822,
67.0159

■ 0.3851, 0.2623,
0.3222

■ 80.2983, 81.5348,
89.5258

■ 0.0000, 0.0000,
0.0000

104.3299,
106.2531, 116.5841

132.7333,

135.5215, 148.6093

165.8739,
169.7242, 186.0200

■ 12.9303, 12.7402,
14.0895

■ 12.9303, 12.7402,
14.0895

■ 11.6511, 10.7266,
11.9832

■ 14.3801, 15.0443,
16.4084

■ 10.5351, 8.9904,
10.0826

■ 16.0056, 17.6482,
18.9449

■ 9.5757, 7.5197,
8.3815

■ 17.8128, 20.5628,
21.7050

■ 8.7656, 6.3013,
6.8730

■ 19.8073, 23.7978,
24.6941

■ 8.0969, 5.3208,
5.5499

■ 21.9943, 27.3626,
27.9175

7.5609, 4.5623,
4.4046

24.3788, 31.2664,
31.3802

7.1479, 4.0081,
3.4287

26.9658, 35.5177,
35.0871

6.8465, 3.6374,
2.6130

29.7600, 40.1249,
39.0430

6.6301, 3.3806,
1.9979

32.7658, 45.0960,
43.2525

Harmonies

Analogous

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



12.7790, 12.7402, 15.2530



12.9303, 12.7402, 14.0895



12.8575, 12.7402, 12.9313

Triad

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



12.9303, 12.7402, 14.0895



11.7761, 12.7402, 11.8757



11.6481, 12.7402, 15.8425

Complementary

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



12.9303, 12.7402, 14.0895



12.9487, 14.4988, 15.4814

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.



11.3905, 12.7402, 14.8571



12.9303, 12.7402, 14.0895



11.4632, 12.7402, 12.5768

Square

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



12.9303, 12.7402, 14.0895



12.1849, 12.7402, 11.6963



11.3236, 12.7402, 13.6566



12.0338, 12.7402, 16.3018

Rectangle

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



12.9303, 12.7402, 14.0895



12.6925, 12.7402, 12.3113



11.3236, 12.7402, 13.6566



11.5440, 12.7402, 15.5591

Sweetspot

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



12.9307, 12.7408, 14.0898



25.1852, 26.0390, 28.4877



12.8611, 12.6574, 16.2333



5.8178, 5.9910, 6.5610



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.9307, 12.7408, 14.0898



22.5880, 21.9194, 24.3082



12.9266, 13.0385, 13.1454



3.1375, 3.1319, 3.4544



7.7441, 3.9498, 2.2812



39.0932, 19.9792, 9.6933

Inverse Universe

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



12.9307, 12.7408, 14.0898



22.5880, 21.9194, 24.3082



12.9482, 14.1612, 16.5190



3.1375, 3.1319, 3.4544



7.7441, 3.9498, 2.2812



39.0932, 19.9792, 9.6933

Previews

White Background



This preview shows how the XYZ color 12.9303, 12.7402, 14.0895 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 12.9303, 12.7402, 14.0895 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 12.9303, 12.7402, 14.0895

Background



This preview shows how black text looks on a background with the XYZ color 12.9303, 12.7402, 14.0895.



This preview shows how white text looks on a background with the XYZ color 12.9303, 12.7402,

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

12.9303, 12.7402, 14.0895

Protanopia

12.3223, 12.8404, 14.3994

Deuteranopia

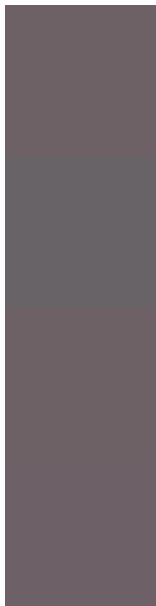
12.9303, 12.7402, 14.0895



Tritanopia

13.0801, 12.8001, 14.8780

Trichromacy



Original Color

12.9303, 12.7402, 14.0895

Protanomaly

12.5690, 12.8260, 14.3836

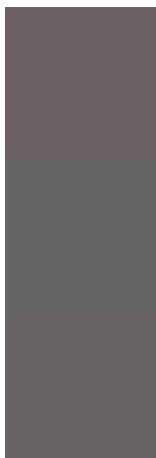
Deuteranomaly

12.9303, 12.7402, 14.0895

Tritanomaly

13.0296, 12.7799, 14.6120

Monochromacy



Original Color

12.9303, 12.7402, 14.0895

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6151, 12.9970, 14.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9303, 12.7402, 14.0895 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(109, 97, 101)` looks like.

```
.text, #text, p{  
    color:rgb(109, 97, 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(109, 97, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 97, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.9303, 12.7402, 14.0895 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(109, 97, 101) }
```


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

```
.border{ border-color:rgb(109, 97, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 97, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 97, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 97, 101);  
box-shadow:4px 4px 4px 4px rgb(109, 97,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9303, 12.7402, 14.0895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 97, 101) }
```

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

```
.background{ background-color: rgb(109, 97,  
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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