

Converting Colors

XYZ(13.1128, 12.8066, 15.3673)

Have a look what the booklet for
XYZ(13.1128, 12.8066, 15.3673)
contains.

XYZ(13.1829, 12.8412, 15.4195)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1829, 12.8412,
15.4195)**

Conversions

Conversions Part 1

Format	Color
Hex	6D616A
RGB	109, 97, 106
RGB Percent	43%, 38%, 42%
CMY	0.5725, 0.6196, 0.5843
CMYK	0.00, 0.11, 0.03, 0.57
HSL	315°, 6%, 40%
HSV	315°, 11%, 43%
XYZ	13.1829, 12.8412, 15.4195
YIQ	101.6140, 4.2630, 5.3430

Conversions

Conversions Part 2

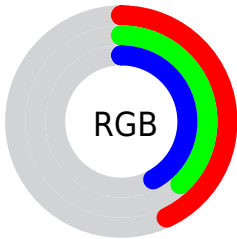
Format	Color
R_{YB}	109, 97, 106
Decimal	7168362
CIE Lab	42.52, 6.56, -3.35
CIE LCh	43, 7.367, 332.988
Yxy	12.8412, 0.3181, 0.3098
Android (android.graphics.Color)	4285358442 (0xFF6D616A)
YUV	101.6140, 2.1623, 6.4775
Hunter-Lab	35.8346, 2.9563, -0.4280

Details

The XYZ color **13.1829, 12.8412, 15.4195** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6991, 14.3991, 14.1672**, and the grayscale version is **12.5228, 13.1749, 14.3475**.

A 20% lighter version of the original color is **31.3736, 31.1912, 36.2652**, and **3.8977, 3.6755, 4.6417** is the 20% darker color. If you saturate the color by 10%, you get **12.1048, 10.9080, 14.3721**, and if you desaturate by 10%, it is **14.4047, 15.0541, 16.5374**.

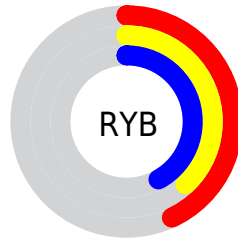
Distribution



Red (43%)

Green (38%)

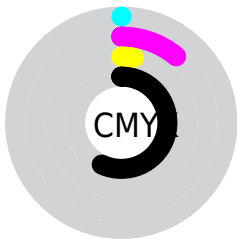
Blue (42%)



Red (43%)

Yellow (38%)

Blue (42%)

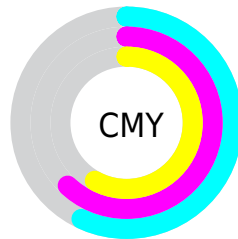


Cyan (0%)

Magenta (11%)

Yellow (3%)

Black (57%)



Cyan (57%)

Magenta (62%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1829, 12.8412, 15.4195 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 13.1829, 12.8412, 15.4195 by changing the saturation by 10% instead.

■ 13.1829, 12.8412,
15.4195

■ 13.1829, 12.8412,
15.4195

205.7005,
209.8974, 237.6191

■ 7.6325, 7.3193,
8.9644

■ 31.2305, 31.0182,
36.3401

■ 3.9105, 3.6626,
4.6215

■ 44.4584, 44.4421,
51.6427

■ 1.6516, 1.4867,
1.9721

■ 60.9762, 61.2687,
70.7316

■ 0.4257, 0.2793,
0.5381

■ 81.1492, 81.8825,
94.0253

■ 0.0000, 0.0000,
0.0000

105.3428,
106.6679, 121.9424

133.9223,

136.0093, 154.9013

167.2531,
170.2910, 193.3207

■ 13.1829, 12.8412,
15.4195

■ 13.1829, 12.8412,
15.4195

■ 12.1048, 10.9080,
14.3721

■ 14.4047, 15.0541,
16.5374

■ 11.1636, 9.2417,
13.3921

■ 15.7743, 17.5557,
17.7268

■ 10.3536, 7.8308,
12.4777

■ 17.2973, 20.3565,
18.9900

■ 9.6684, 6.6623,
11.6265

■ 18.9783, 23.4662,
20.3287

■ 9.1008, 5.7223,
10.8360

■ 20.8221, 26.8938,
21.7447

■ 8.6432, 4.9952,
10.1033

■ 22.8330, 30.6481,
23.2395

■ 8.2867, 4.4636,
9.4252

■ 25.0152, 34.7375,
24.8149

■ 8.0212, 4.1072,
8.7982

■ 27.3729, 39.1701,
26.4723

■ 7.8202, 3.8566,
8.2645

■ 29.9099, 43.9538,
28.2133

Harmonies

Analogous

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



12.7967, 12.8412, 16.7113



13.1829, 12.8412, 15.4195



13.3046, 12.8412, 13.8229

Triad

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



13.1829, 12.8412, 15.4195



12.1495, 12.8412, 11.1410



11.3300, 12.8412, 15.7165

Complementary

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



13.1829, 12.8412, 15.4195



12.6991, 14.3991, 14.1672

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.



11.1681, 12.8412, 14.1421



13.1829, 12.8412, 15.4195



11.6321, 12.8412, 11.5671

Square

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



13.1829, 12.8412, 15.4195



12.6973, 12.8412, 11.4270



11.2770, 12.8412, 12.6365



11.7259, 12.8412, 16.8917

Rectangle

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



13.1829, 12.8412, 15.4195



13.2163, 12.8412, 12.8196



11.2770, 12.8412, 12.6365



11.2469, 12.8412, 15.2124

Sweetspot

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



13.1833, 12.8418, 15.4198



25.3179, 26.0920, 29.1865



12.2911, 12.3635, 16.2068



5.8554, 6.0060, 6.7592



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.



13.1833, 12.8418, 15.4198



23.1293, 22.1359, 27.1585



12.8821, 12.7213, 13.8336



3.1868, 3.1516, 3.7142



9.1368, 4.5068, 9.6146



46.1955, 22.8201, 47.0935

Inverse Universe

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



13.1833, 12.8418, 15.4198



23.1293, 22.1359, 27.1585



13.0004, 14.5196, 15.7534



3.1868, 3.1516, 3.7142



9.1368, 4.5068, 9.6146



46.1955, 22.8201, 47.0935

Previews

White Background



This preview shows how the XYZ color 13.1829, 12.8412, 15.4195 looks on a white background.

Color Contrast Check

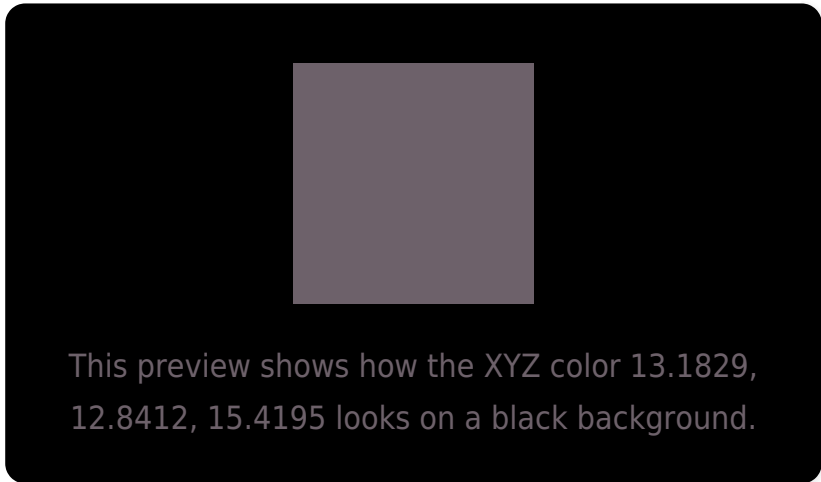
Large Text (above 18pt) WCAG AA ✓ Pass

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

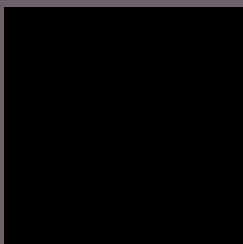
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1829, 12.8412, 15.4195

Background



This preview shows how black text looks on a background with the XYZ color 13.1829, 12.8412, 15.4195.



This preview shows how white text looks on a background with the XYZ color 13.1829, 12.8412,

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

13.1829, 12.8412, 15.4195

Protanopia

12.5195, 12.9064, 16.0187

Deuteranopia

13.0606, 12.7781, 15.4137



Tritanopia

13.1312, 12.8205, 15.1471

Trichromacy



Original Color

13.1829, 12.8412, 15.4195

Protanomaly

12.7092, 12.8688, 15.7240

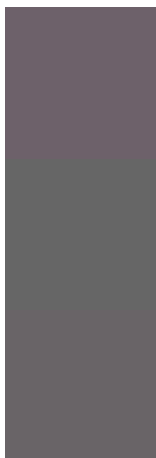
Deuteranomaly

13.0606, 12.7781, 15.4137

Tritanomaly

13.1312, 12.8205, 15.1471

Monochromacy



Original Color

13.1829, 12.8412, 15.4195

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8311, 13.0969, 14.6836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1829, 12.8412, 15.4195 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(109, 97, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 97, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.1829, 12.8412, 15.4195 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, 106) }
```


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

```
.border{ border-color:rgb(109, 97, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 97, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 97, 106);  
box-shadow:4px 4px 4px 4px rgb(109, 97,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1829, 12.8412, 15.4195 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, 106) }
```

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

```
.background{ background-color: rgb(109, 97,  
106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor