

Converting Colors

XYZ(15.7244, 13.1148, 16.1243)

Have a look what the booklet for
XYZ(15.7244, 13.1148, 16.1243)
contains.

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Color

**XYZ(15.6928, 13.0742,
16.1645)**

Conversions

Conversions Part 1

Format	Color
Hex	83596D
RGB	131, 89, 109
RGB Percent	51%, 35%, 43%
CMY	0.4863, 0.6510, 0.5725
CMYK	0.00, 0.32, 0.17, 0.49
HSL	331°, 19%, 43%
HSV	331°, 32%, 51%
XYZ	15.6928, 13.0742, 16.1645
YIQ	103.8380, 18.6120, 15.1240

Conversions

Conversions Part 2

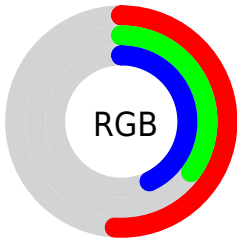
Format	Color
R_{YB}	131, 89, 109
Decimal	8608109
CIE Lab	42.87, 20.53, -4.39
CIE LCh	43, 20.993, 347.924
Yxy	13.0742, 0.3493, 0.2910
Android (android.graphics.Color)	4286798189 (0xFF83596D)
YUV	103.8380, 2.5449, 23.8211
Hunter-Lab	36.1583, 14.1926, -1.1947

Details

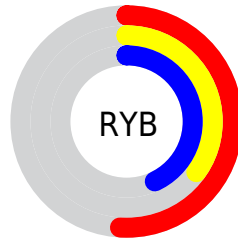
The XYZ color **15.6928, 13.0742, 16.1645** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.1059, 19.5045, 18.0084**, and the grayscale version is **13.1051, 13.7876, 15.0147**.

A 20% lighter version of the original color is **35.5854, 31.3176, 37.4271**, and **5.0908, 3.7531, 5.0135** is the 20% darker color. If you saturate the color by 10%, you get **14.3431, 10.9430, 13.9626**, and if you desaturate by 10%, it is **17.2661, 15.6062, 18.5835**.

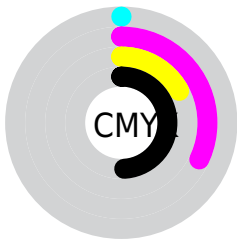
Distribution



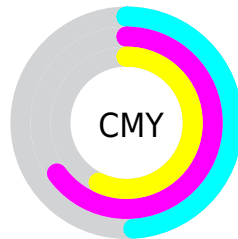
- Red (51%)
- Green (35%)
- Blue (43%)



- Red (51%)
- Yellow (35%)
- Blue (43%)



- Cyan (0%)
- Magenta (32%)
- Yellow (17%)
- Black (49%)



- Cyan (49%)
- Magenta (65%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6928, 13.0742, 16.1645 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 15.6928, 13.0742, 16.1645 by changing the saturation by 10% instead.

■ 15.6928, 13.0742,
16.1645

■ 15.6928, 13.0742,
16.1645

■ 220.8283,
211.3927, 242.1892

■ 9.3965, 7.4797,
9.4850

■ 35.6258, 31.4370,
37.6543

■ 5.0599, 3.7638,
4.9578

■ 49.9933, 44.9741,
53.3017

■ 2.3176, 1.5424,
2.1642

■ 67.7818, 61.9275,
72.7755

■ 0.8036, 0.3183,
0.6536

■ 89.3568, 82.6815,
96.4942

■ 0.0000, 0.0000,
0.0000

■ 115.0836,
107.6207, 124.8764

145.3275,

137.1293, 158.3406

180.4540,
171.5919, 197.3054

■ 15.6928, 13.0742,
16.1645

■ 15.6928, 13.0742,
16.1645

■ 14.3431, 10.9430,
13.9626

■ 17.2661, 15.6062,
18.5835

■ 13.2049, 9.1899,
11.9702

■ 19.0721, 18.5565,
21.2254

■ 12.2668, 7.7927,
10.1802

■ 21.1206, 21.9436,
24.0967

■ 11.5154, 6.7263,
8.5848

■ 23.4207, 25.7847,
27.2032

■ 10.9360, 5.9621,
7.1753

■ 25.9807, 30.0958,
30.5506

■ 10.5112, 5.4665,
5.9423

■ 28.8089, 34.8921,
34.1445

■ 10.2401, 5.1773,
5.0715

■ 31.9128, 40.1883,
37.9901

■ 35.3001, 45.9984,
42.0925

■ 38.9777, 52.3356,
46.4566

Harmonies

Analogous

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



14.8591, 13.0742, 21.0122



15.6928, 13.0742, 16.1645



15.5979, 13.0742, 11.6869

Triad

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



15.6928, 13.0742, 16.1645



11.5015, 13.0742, 7.3773



10.4725, 13.0742, 21.8490

Complementary

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



15.6928, 13.0742, 16.1645



15.1059, 19.5045, 18.0084

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.



9.7173, 13.0742, 17.1303



15.6928, 13.0742, 16.1645



10.2753, 13.0742, 9.0994

Square

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



15.6928, 13.0742, 16.1645



13.0831, 13.0742, 7.2278



9.6484, 13.0742, 12.4666



11.7925, 13.0742, 24.7365

Rectangle

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



15.6928, 13.0742, 16.1645



15.0215, 13.0742, 9.4681



9.6484, 13.0742, 12.4666



10.1492, 13.0742, 20.3830

Sweetspot

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



15.6932, 13.0748, 16.1648



34.7915, 34.2799, 38.9189



14.1875, 12.1442, 23.0692



8.0020, 7.8194, 8.9214



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.6932, 13.0748, 16.1648



26.4124, 20.7357, 26.2173



14.7947, 12.8090, 11.1446



4.7580, 4.7229, 5.3381



10.0810, 5.0968, 4.9990



0.0386, 0.0191, 0.0365

Inverse Universe

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



15.6932, 13.0748, 16.1648



26.4124, 20.7357, 26.2173



16.2396, 19.8081, 24.4404



4.7580, 4.7229, 5.3381



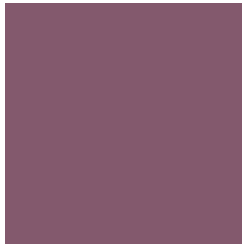
10.0810, 5.0968, 4.9990



0.0386, 0.0191, 0.0365

Previews

White Background



This preview shows how the XYZ color 15.6928, 13.0742, 16.1645 looks on a white background.

Color Contrast Check

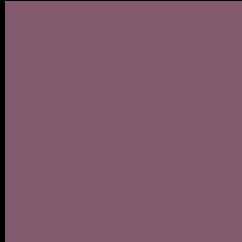
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6928, 13.0742, 16.1645 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 15.6928, 13.0742, 16.1645

Background



This preview shows how black text looks on a background with the XYZ color 15.6928, 13.0742, 16.1645.



This preview shows how white text looks on a background with the XYZ color 15.6928, 13.0742,

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

15.6928, 13.0742, 16.1645

Protanopia

12.9517, 13.2210, 18.3923

Deuteranopia

13.4224, 13.2364, 15.7574



Tritanopia

15.1516, 13.1098, 13.2871

Trichromacy



Original Color

15.6928, 13.0742, 16.1645

Protanomaly

13.8109, 13.1212, 17.4275

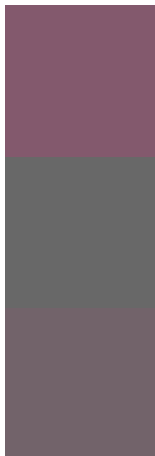
Deuteranomaly

14.1351, 13.0490, 15.9611

Tritanomaly

15.2604, 13.0175, 14.2787

Monochromacy



Original Color

15.6928, 13.0742, 16.1645

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.0028, 13.5417, 15.5115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6928, 13.0742, 16.1645 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(131, 89, 109)` looks like.

```
.text, #text, p{  
    color:rgb(131, 89, 109)  
}
```

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(131, 89, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 89, 109) }
```

Border

The CSS property to change the border of an element to XYZ 15.6928, 13.0742, 16.1645 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(131, 89, 109) }
```


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

```
.border{ border-color:rgb(131, 89, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 89, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 89, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 89, 109);  
box-shadow:4px 4px 4px 4px rgb(131, 89,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6928, 13.0742, 16.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 89, 109) }
```

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

```
.background{ background-color: rgb(131, 89,  
109) }
```

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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