

Converting Colors

XYZ(13.2241, 12.1898, 16.6073)

Have a look what the booklet for
XYZ(13.2241, 12.1898, 16.6073)
contains.

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Color

**XYZ(13.2519, 12.1815,
16.6917)**

Conversions

Conversions Part 1

Format	Color
Hex	6F5C6F
RGB	111, 92, 111
RGB Percent	44%, 36%, 44%
CMY	0.5647, 0.6392, 0.5647
CMYK	0.00, 0.17, 0.00, 0.56
HSL	300°, 9%, 40%
HSV	300°, 17%, 44%
XYZ	13.2519, 12.1815, 16.6917
YIQ	99.8470, 5.2250, 9.9370

Conversions

Conversions Part 2

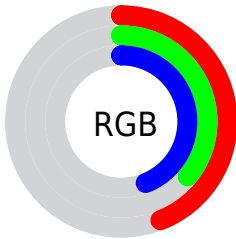
Format	Color
R_{YB}	111, 92, 111
Decimal	7298159
CIE Lab	41.50, 11.41, -7.90
CIE LCh	42, 13.876, 325.316
Yxy	12.1815, 0.3146, 0.2892
Android (android.graphics.Color)	4285488239 (0xFF6F5C6F)
YUV	99.8470, 5.4984, 9.7812
Hunter-Lab	34.9020, 6.6959, -3.9237

Details

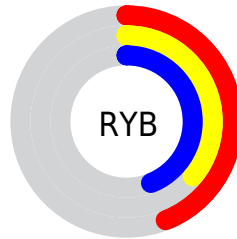
The XYZ color **13.2519, 12.1815, 16.6917** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0303, 14.4172, 12.2746**, and the grayscale version is **12.0600, 12.6880, 13.8172**.

A 20% lighter version of the original color is **31.3881, 29.7769, 38.7435**, and **3.9241, 3.3696, 5.1462** is the 20% darker color. If you saturate the color by 10%, you get **12.3601, 10.3977, 16.3946**, and if you desaturate by 10%, it is **14.2854, 14.2482, 17.0363**.

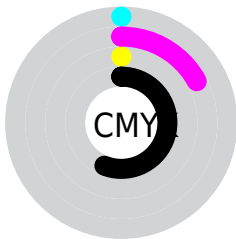
Distribution



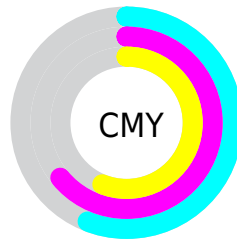
- Red (44%)
- Green (36%)
- Blue (44%)



- Red (44%)
- Yellow (36%)
- Blue (44%)



- Cyan (0%)
- Magenta (17%)
- Yellow (0%)
- Black (56%)



- Cyan (56%)
- Magenta (64%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2519, 12.1815, 16.6917 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 13.2519, 12.1815, 16.6917 by changing the saturation by 10% instead.

■ 13.2519, 12.1815,
16.6917

■ 13.2519, 12.1815,
16.6917

206.1309,
205.6032, 245.3729

■ 7.6804, 6.8674,
9.8553

■ 31.3531, 29.8252,
38.5783

■ 3.9412, 3.3793,
5.1988

■ 44.6135, 42.9237,
54.4656

■ 1.6689, 1.3328,
2.3036

■ 61.1676, 59.3857,
74.2069

■ 0.4367, 0.1664,
0.7332

■ 81.3807, 79.5957,
98.2208

■ 0.0000, 0.0000,
0.0000

105.6183,
103.9380, 126.9258

134.2456,

132.7971, 160.7405

167.6280,
166.5574, 200.0833

■ 13.2519, 12.1815,
16.6917

■ 13.2519, 12.1815,
16.6917

■ 12.3601, 10.3977,
16.3946

■ 14.2854, 14.2482,
17.0363

■ 11.6027, 8.8829,
16.1421

■ 15.4651, 16.6077,
17.4296

■ 10.9736, 7.6247,
15.9324

■ 16.7969, 19.2713,
17.8735

■ 10.4656, 6.6088,
15.7631

■ 18.2859, 22.2493,
18.3698

■ 10.0711, 5.8196,
15.6316

■ 19.9370, 25.5515,
18.9202

■ 9.7812, 5.2398,
15.5349

■ 21.7549, 29.1872,
19.5262

■ 9.5860, 4.8495,
15.4699

■ 23.7440, 33.1655,
20.1892

■ 9.4596, 4.5968,
15.4278

■ 25.9088, 37.4950,
20.9108

■ 9.4249, 4.5272,
15.4162

■ 28.2533, 42.1841,
21.6923

Harmonies

Analogous

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



12.4297, 12.1815, 18.9615



13.2519, 12.1815, 16.6917



13.6263, 12.1815, 13.7235

Triad

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



13.2519, 12.1815, 16.6917



11.7377, 12.1815, 8.4514



9.9078, 12.1815, 15.7903

Complementary

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



13.2519, 12.1815, 16.6917



12.0303, 14.4172, 12.2746

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.



9.7462, 12.1815, 12.8140



13.2519, 12.1815, 16.6917



10.7664, 12.1815, 8.8394

Square

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



13.2519, 12.1815, 16.6917



12.7203, 12.1815, 9.1910



10.0516, 12.1815, 10.3402



10.5065, 12.1815, 18.3903

Rectangle

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



13.2519, 12.1815, 16.6917



13.5567, 12.1815, 11.8463



10.0516, 12.1815, 10.3402



9.8021, 12.1815, 14.7897

Sweetspot

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



13.2523, 12.1820, 16.6920



25.9770, 26.3074, 30.6385



11.1381, 11.1329, 16.6009



6.2144, 6.2672, 7.3519



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.



13.2523, 12.1820, 16.6920



22.9877, 20.3287, 29.6420



12.7723, 11.9900, 14.1643



3.5144, 3.4535, 4.2356



11.1060, 5.3348, 18.1660



55.3238, 26.5748, 90.4927

Inverse Universe

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



12.3149, 11.8071, 11.7558



20.9343, 19.5073, 18.8293



12.4565, 14.5877, 14.5187



3.3845, 3.4015, 3.5515



7.7249, 3.9824, 0.3615



38.4813, 19.8379, 1.8009

Previews

White Background



This preview shows how the XYZ color 13.2519, 12.1815, 16.6917 looks on a white background.

Color Contrast Check

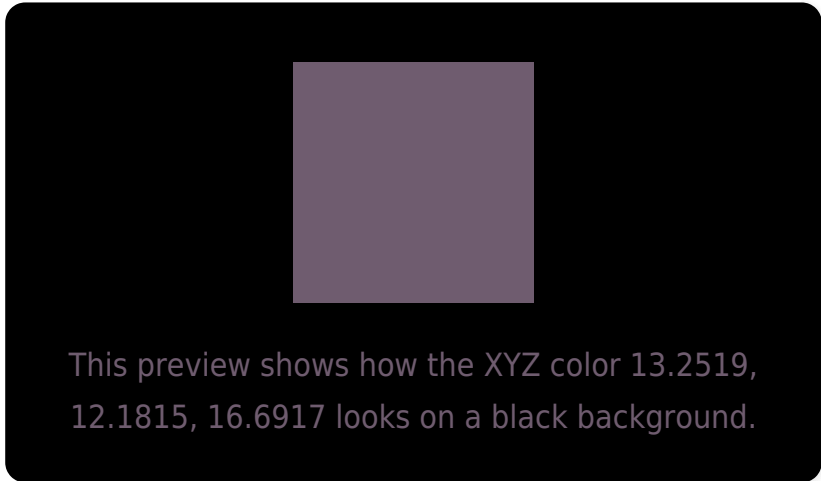
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2519, 12.1815, 16.6917

Background



This preview shows how black text looks on a background with the XYZ color 13.2519, 12.1815, 16.6917.



This preview shows how white text looks on a background with the XYZ color 13.2519, 12.1815,

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

13.2519, 12.1815, 16.6917

Protanopia

12.0313, 12.1972, 17.6398

Deuteranopia

12.3862, 12.1350, 16.4413



Tritanopia

12.7821, 12.2600, 14.0046

Trichromacy



Original Color

13.2519, 12.1815, 16.6917

Protanomaly

12.4397, 12.1434, 17.3110

Deuteranomaly

12.6429, 12.1345, 16.4277

Tritanomaly

12.8946, 12.1636, 15.0328

Monochromacy



Original Color

13.2519, 12.1815, 16.6917

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4823, 12.4919, 14.8500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2519, 12.1815, 16.6917 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(111, 92, 111)` looks like.

```
.text, #text, p{  
    color:rgb(111, 92, 111)  
}
```

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(111, 92, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 92, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.2519, 12.1815, 16.6917 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(111, 92, 111) }
```


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

```
.border{ border-color:rgb(111, 92, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 92, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 92, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 92, 111);  
box-shadow:4px 4px 4px 4px rgb(111, 92,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2519, 12.1815, 16.6917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 92, 111) }
```

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

```
.background{ background-color: rgb(111, 92,  
111) }
```

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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