

Converting Colors

XYZ(12.3287, 11.0427, 12.9631)

Have a look what the booklet for
XYZ(12.3287, 11.0427, 12.9631)
contains.

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Color

**XYZ(12.3424, 11.0481,
13.0373)**

Conversions

Conversions Part 1

Format	Color
Hex	715662
RGB	113, 86, 98
RGB Percent	44%, 34%, 38%
CMY	0.5569, 0.6627, 0.6157
CMYK	0.00, 0.24, 0.13, 0.56
HSL	333°, 14%, 39%
HSV	333°, 24%, 44%
XYZ	12.3424, 11.0481, 13.0373
YIQ	95.4410, 12.2400, 9.4560

Conversions

Conversions Part 2

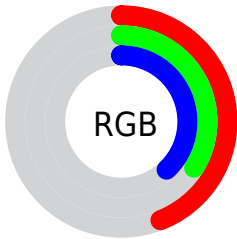
Format	Color
R _Y B	113, 86, 98
Decimal	7427682
CIE Lab	39.66, 13.28, -2.61
CIE LCh	40, 13.530, 348.885
Yxy	11.0481, 0.3388, 0.3033
Android (android.graphics.Color)	4285617762 (0xFF715662)
YUV	95.4410, 1.2616, 15.3992
Hunter-Lab	33.2387, 8.1141, 0.0116

Details

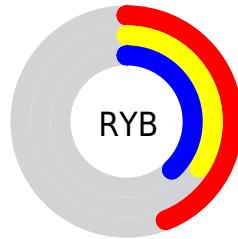
The XYZ color **12.3424, 11.0481, 13.0373** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0922, 14.7285, 14.5180**, and the grayscale version is **10.9783, 11.5501, 12.5780**.

A 20% lighter version of the original color is **29.7460, 27.7776, 32.2276**, and **3.5586, 2.8893, 3.6190** is the 20% darker color. If you saturate the color by 10%, you get **11.2257, 9.2705, 11.2595**, and if you desaturate by 10%, it is **13.6257, 13.1213, 14.9856**.

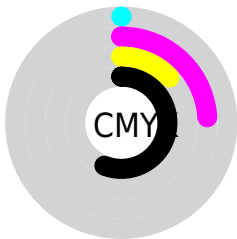
Distribution



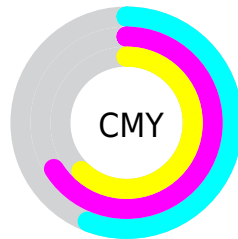
- Red (44%)
- Green (34%)
- Blue (38%)



- Red (44%)
- Yellow (34%)
- Blue (38%)



- Cyan (0%)
- Magenta (24%)
- Yellow (13%)
- Black (56%)



- Cyan (56%)
- Magenta (66%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3424, 11.0481, 13.0373 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 12.3424, 11.0481, 13.0373 by changing the saturation by 10% instead.

■ 12.3424, 11.0481,
13.0373

■ 12.3424, 11.0481,
13.0373

200.3830,
197.9973, 222.3728

■ 7.0512, 6.0992,
7.3232

■ 29.7287, 27.7491,
32.0629

■ 3.5407, 2.9055,
3.5835

■ 42.5544, 40.2699,
46.2116

■ 1.4457, 1.0826,
1.3998

■ 58.6224, 56.0836,
64.0088

■ 0.2885, 0.0000,
0.1415

■ 78.2980, 75.5744,
85.8732

■ 0.0000, 0.0000,
0.0000

■ 101.9464, 99.1268,
112.2232

129.9332,

127.1251, 143.4775

162.6236,
159.9538, 180.0545

■ 12.3424, 11.0481,
13.0373

■ 12.3424, 11.0481,
13.0373

■ 11.2257, 9.2705,
11.2595

■ 13.6257, 13.1213,
14.9856

■ 10.2674, 7.7735,
9.6465

■ 15.0813, 15.5014,
17.1086

■ 9.4600, 6.5428,
8.1932

■ 16.7161, 18.2008,
19.4109

■ 8.7951, 5.5625,
6.8941

■ 18.5359, 21.2308,
21.8971

■ 8.2633, 4.8149,
5.7429

■ 20.5466, 24.6021,
24.5713

■ 7.8541, 4.2797,
4.7332

■ 22.7536, 28.3251,
27.4376

■ 7.5521, 3.9274,
3.8567

■ 25.1623, 32.4095,
30.5000

■ 7.3905, 3.7429,
3.3754

■ 27.7777, 36.8649,
33.7623

■ 30.6047, 41.7003,
37.2282

Harmonies

Analogous

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



11.8970, 11.0481, 15.6950



12.3424, 11.0481, 13.0373



12.2731, 11.0481, 10.4567

Triad

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



12.3424, 11.0481, 13.0373



9.9363, 11.0481, 7.8290



9.3754, 11.0481, 16.2843

Complementary

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



12.3424, 11.0481, 13.0373



12.0922, 14.7285, 14.5180

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.



8.9080, 11.0481, 13.7526



12.3424, 11.0481, 13.0373



9.2185, 11.0481, 8.9843

Square

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



12.3424, 11.0481, 13.0373



10.8471, 11.0481, 7.6958



8.8523, 11.0481, 11.0750



10.1621, 11.0481, 17.7446

Rectangle

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



12.3424, 11.0481, 13.0373



11.9454, 11.0481, 9.1098



8.8523, 11.0481, 11.0750



9.1778, 11.0481, 15.5146

Sweetspot

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



12.3427, 11.0486, 13.0375



26.1119, 26.2913, 29.3480



11.6588, 10.6064, 17.0556



6.0159, 6.0428, 6.7540



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.



12.3427, 11.0486, 13.0375



20.8897, 17.8486, 21.4362



11.9267, 11.0563, 10.3102



3.4404, 3.4239, 3.8457



8.3736, 4.2418, 3.7774



41.2918, 20.9620, 16.6005

Inverse Universe

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



12.3427, 11.0486, 13.0375



20.8897, 17.8486, 21.4362



12.5743, 14.6821, 17.7940



3.4404, 3.4239, 3.8457



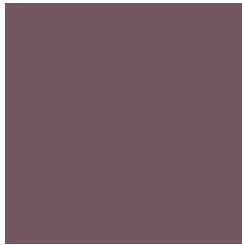
8.3736, 4.2418, 3.7774



41.2918, 20.9620, 16.6005

Previews

White Background



This preview shows how the XYZ color 12.3424, 11.0481, 13.0373 looks on a white background.

Color Contrast Check

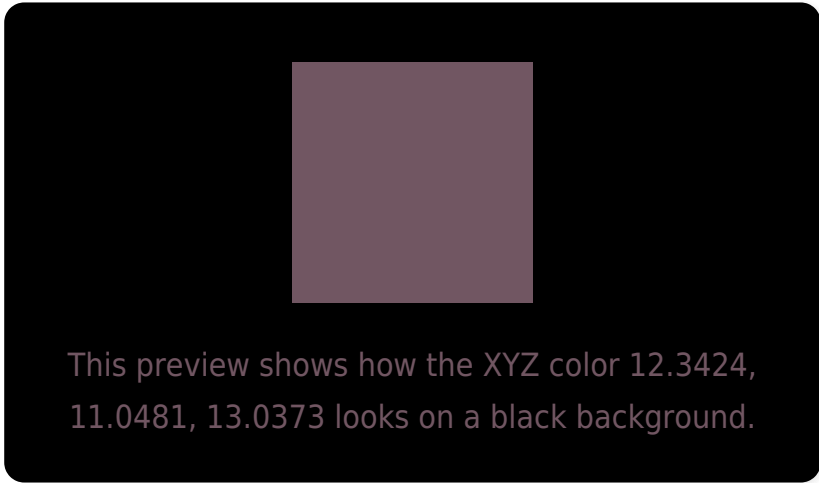
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3424, 11.0481, 13.0373

Background



This preview shows how black text looks on a background with the XYZ color 12.3424, 11.0481, 13.0373.



This preview shows how white text looks on a background with the XYZ color 12.3424, 11.0481,

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

12.3424, 11.0481, 13.0373

Protanopia

10.8268, 11.1152, 14.1452

Deuteranopia

11.2656, 11.1119, 12.8603



Tritanopia

12.0661, 11.0514, 11.8531

Trichromacy



Original Color

12.3424, 11.0481, 13.0373

Protanomaly

11.2607, 10.9612, 13.8341

Deuteranomaly

11.5557, 11.0111, 12.8256

Tritanomaly

12.1558, 11.0874, 12.3259

Monochromacy



Original Color

12.3424, 11.0481, 13.0373

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.4180, 11.3236, 12.6502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3424, 11.0481, 13.0373 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(113, 86, 98)` looks like.

```
.text, #text, p{  
    color:rgb(113, 86, 98)  
}
```

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(113, 86, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 86, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.3424, 11.0481, 13.0373 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(113, 86, 98) }
```


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

```
.border{ border-color:rgb(113, 86, 98) }
```

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

Here you see how a box with a 4 pixel rgb(113, 86, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 86, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 86, 98);  
box-shadow:4px 4px 4px 4px rgb(113, 86,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3424, 11.0481, 13.0373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 86, 98) }
```

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

```
.background{ background-color: rgb(113, 86,  
98) }
```

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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