

Converting Colors

XYZ(13.7632, 14.6699, 17.7331)

Have a look what the booklet for
XYZ(13.7632, 14.6699, 17.7331)
contains.

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Color

**XYZ(13.8227, 14.7422,
17.7398)**

Conversions

Conversions Part 1

Format	Color
Hex	666C71
RGB	102, 108, 113
RGB Percent	40%, 42%, 44%
CMY	0.6000, 0.5765, 0.5569
CMYK	0.10, 0.04, 0.00, 0.56
HSL	207°, 5%, 42%
HSV	207°, 10%, 44%
XYZ	13.8227, 14.7422, 17.7398
YIQ	106.7760, -5.1810, 0.2830

Conversions

Conversions Part 2

Format	Color
R_{YB}	102, 106, 113
Decimal	6712433
CIE Lab	45.28, -1.19, -3.58
CIE LCh	45, 3.775, 251.545
Yxy	14.7422, 0.2985, 0.3184
Android (android.graphics.Color)	4284902513 (0xFF666C71)
YUV	106.7760, 3.0684, -4.1886
Hunter-Lab	38.3956, -2.9309, -0.5167

Details

The XYZ color **13.8227, 14.7422, 17.7398** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.4661, 14.9853, 14.7006**, and the grayscale version is **13.9063, 14.6305, 15.9326**.

A 20% lighter version of the original color is **32.3265, 34.2852, 40.5112**, and **4.1984, 4.5314, 5.6544** is the 20% darker color. If you saturate the color by 10%, you get **12.1028, 13.0756, 17.5090**, and if you desaturate by 10%, it is **15.7500, 16.5639, 17.9901**.

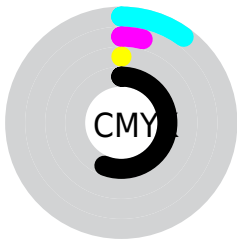
Distribution



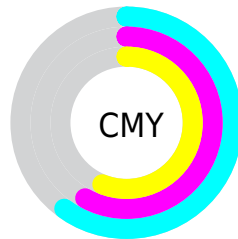
- Red (40%)
- Green (42%)
- Blue (44%)



- Red (40%)
- Yellow (42%)
- Blue (44%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8227, 14.7422, 17.7398 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 13.8227, 14.7422, 17.7398 by changing the saturation by 10% instead.

■ 13.8227, 14.7422,
17.7398

■ 13.8227, 14.7422,
17.7398

209.6578,
221.8005, 251.5870

■ 8.0783, 8.6387,
10.5958

■ 32.3630, 34.4003,
40.4014

■ 4.1973, 4.5063,
5.6850

■ 45.8896, 48.7236,
56.7561

■ 1.8144, 1.9606,
2.5888

■ 62.7411, 66.5557,
77.0181

■ 0.5263, 0.5844,
0.8867

■ 83.2827, 88.2808,
101.6060

■ 0.0000, 0.0000,
0.0000

107.8798,
114.2835, 130.9383

136.8978,

144.9481, 165.4335

170.7020,
180.6589, 205.5102

■ 13.8227, 14.7422,
17.7398

■ 13.8227, 14.7422,
17.7398

■ 12.1028, 13.0756,
17.5090

■ 15.7500, 16.5639,
17.9901

■ 10.5814, 11.5574,
17.2961

■ 17.8905, 18.5432,
18.2593

■ 9.2509, 10.1834,
17.1011

■ 20.2514, 20.6851,
18.5483

■ 8.1027, 8.9482,
16.9232

■ 22.8393, 22.9936,
18.8575

■ 7.1273, 7.8462,
16.7618

■ 25.6603, 25.4727,
19.1873

6.3146, 6.8711,
16.6165

28.7203, 28.1262,
19.5382

5.6531, 6.0160,
16.4863

32.0253, 30.9577,
19.9106

5.1296, 5.2733,
16.3705

35.5805, 33.9708,
20.3048

4.6958, 4.6170,
16.2667

39.3915, 37.1689,
20.7212

Harmonies

Analogous

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



13.5672, 14.7422, 17.2201



13.8227, 14.7422, 17.7398



14.1326, 14.7422, 17.7972

Triad

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



13.8227, 14.7422, 17.7398



14.6089, 14.7422, 15.7098



13.6173, 14.7422, 14.7981

Complementary

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



13.8227, 14.7422, 17.7398



14.4661, 14.9853, 14.7006

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.



13.8921, 14.7422, 14.4243



13.8227, 14.7422, 17.7398



14.4665, 14.7422, 14.9375

Square

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



13.8227, 14.7422, 17.7398



14.5897, 14.7422, 16.6026



14.2031, 14.7422, 14.4743



13.4498, 14.7422, 15.5132

Rectangle

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



13.8227, 14.7422, 17.7398



14.3287, 14.7422, 17.5632



14.2031, 14.7422, 14.4743



13.7000, 14.7422, 14.6296

Sweetspot

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



13.8231, 14.7428, 17.7401



27.0064, 28.5380, 32.0605



14.0361, 15.6958, 16.1862



6.1890, 6.5465, 7.4071



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.



13.8231, 14.7428, 17.7401



23.9208, 25.6010, 31.6562



13.2660, 13.6285, 17.5544



3.3543, 3.5739, 4.2673



5.2941, 5.1784, 18.4421



25.5013, 24.0544, 91.5780

Inverse Universe

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



14.2685, 14.0964, 16.1570



24.9191, 24.1809, 28.1015



15.0525, 16.1582, 14.8961



3.4535, 3.4291, 3.9149



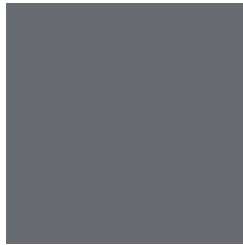
8.6905, 4.3686, 5.4463



42.8518, 21.5861, 24.8157

Previews

White Background



This preview shows how the XYZ color 13.8227, 14.7422, 17.7398 looks on a white background.

Color Contrast Check

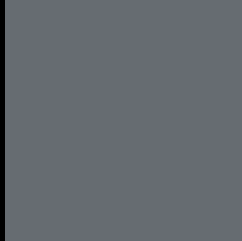
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8227, 14.7422, 17.7398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

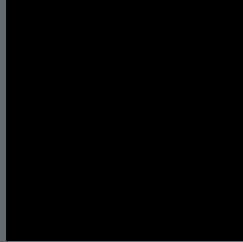
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

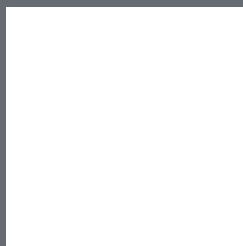
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8227, 14.7422, 17.7398

Background



This preview shows how black text looks on a background with the XYZ color 13.8227, 14.7422, 17.7398.



This preview shows how white text looks on a background with the XYZ color 13.8227, 14.7422,

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

13.8227, 14.7422, 17.7398

Protanopia

14.1421, 14.6037, 17.4027

Deuteranopia

14.9270, 14.6929, 17.9689



Tritanopia

14.1085, 14.8696, 18.6495

Trichromacy

**Original Color**

13.8227, 14.7422, 17.7398

Protanomaly

14.0080, 14.6885, 17.4261

Deuteranomaly

14.5192, 14.6331, 17.9788

Tritanomaly

14.0506, 14.8465, 18.3448

Monochromacy

**Original Color**

13.8227, 14.7422, 17.7398

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8437, 14.6228, 16.5608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8227, 14.7422, 17.7398 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(102, 108, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 108, 113)  
}
```

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(102, 108, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 108, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.8227, 14.7422, 17.7398 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(102, 108, 113) }
```


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

```
.border{ border-color:rgb(102, 108, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 108, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 108, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 108, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 108,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8227, 14.7422, 17.7398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 108, 113) }
```

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

```
.background{ background-color: rgb(102,  
108, 113) }
```

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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