

Converting Colors

XYZ(13.6990, 14.9734, 16.2371)

Have a look what the booklet for
XYZ(13.6990, 14.9734, 16.2371)
contains.

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Color

**XYZ(13.7622, 15.0594,
16.3688)**

Conversions

Conversions Part 1

Format	Color
Hex	666E6C
RGB	102, 110, 108
RGB Percent	40%, 43%, 42%
CMY	0.6000, 0.5686, 0.5765
CMYK	0.07, 0.00, 0.02, 0.57
HSL	165°, 4%, 42%
HSV	165°, 7%, 43%
XYZ	13.7622, 15.0594, 16.3688
YIQ	107.3800, -4.1260, -2.3180

Conversions

Conversions Part 2

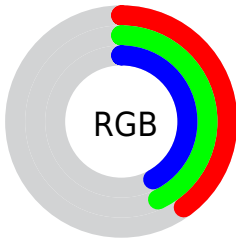
Format	Color
R_{YB}	102, 107, 110
Decimal	6712940
CIE Lab	45.72, -3.46, 0.06
CIE LCh	46, 3.461, 178.985
Yxy	15.0594, 0.3045, 0.3332
Android (android.graphics.Color)	4284903020 (0xFF666E6C)
YUV	107.3800, 0.3057, -4.7183
Hunter-Lab	38.8064, -4.6086, 2.1556

Details

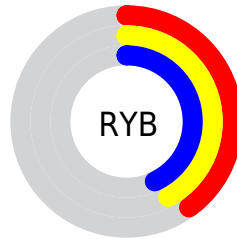
The XYZ color **13.7622, 15.0594, 16.3688** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6810, 13.8176, 15.0434**, and the grayscale version is **14.0810, 14.8144, 16.1328**.

A 20% lighter version of the original color is **32.3152, 35.1162, 37.8758**, and **4.1405, 4.5944, 5.0835** is the 20% darker color. If you saturate the color by 10%, you get **12.4533, 14.4017, 15.5552**, and if you desaturate by 10%, it is **15.2421, 15.8055, 17.2151**.

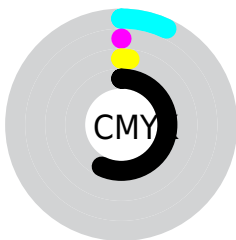
Distribution



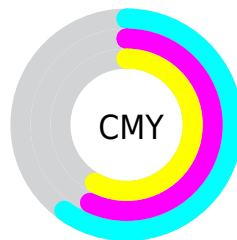
- Red (40%)
- Green (43%)
- Blue (42%)



- Red (40%)
- Yellow (42%)
- Blue (43%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7622, 15.0594, 16.3688 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 13.7622, 15.0594, 16.3688 by changing the saturation by 10% instead.

■ 13.7622, 15.0594,
16.3688

■ 13.7622, 15.0594,
16.3688

209.2868,
223.7255, 243.4278

■ 8.0361, 8.8611,
9.6283

■ 32.2563, 34.9574,
38.0129

■ 4.1700, 4.6507,
5.0509

■ 45.7549, 49.4258,
53.7537

■ 1.7988, 2.0438,
2.2179

■ 62.5751, 67.4197,
73.3316

■ 0.5169, 0.6327,
0.6847

■ 83.0822, 89.3235,
97.1653

■ 0.0000, 0.0000,
0.0000

107.6416,
115.5216, 125.6732

136.6186,

146.3983, 159.2738

170.3785,
182.3382, 198.3859

■ 13.7622, 15.0594,
16.3688

■ 13.7622, 15.0594,
16.3688

■ 12.4533, 14.4017,
15.5552

■ 15.2421, 15.8055,
17.2151

■ 11.3075, 13.8272,
14.7729

■ 16.8977, 16.6413,
18.0937

■ 10.3184, 13.3329,
14.0216

■ 18.7355, 17.5705,
19.0054

■ 9.4785, 12.9150,
13.3008

■ 20.7609, 18.5958,
19.9507

■ 8.7797, 12.5693,
12.6098

■ 22.9793, 19.7200,
20.9300

■ 8.2133, 12.2913,
11.9481

■ 25.3958, 20.9458,
21.9437

■ 7.7693, 12.0760,
11.3148

■ 28.0153, 22.2757,
22.9924

■ 7.4364, 11.9175,
10.7093

■ 30.8426, 23.7122,
24.0764

■ 7.1841, 11.8000,
10.1298

■ 33.8822, 25.2575,
25.1961

Harmonies

Analogous

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



13.8401, 15.0594, 15.5865



13.7622, 15.0594, 16.3688



13.8304, 15.0594, 17.1847

Triad

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



13.7622, 15.0594, 16.3688



14.5859, 15.0594, 17.8368



14.6033, 15.0594, 15.0638

Complementary

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



13.7622, 15.0594, 16.3688



13.6810, 13.8176, 15.0434

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.



14.8077, 15.0594, 15.6340



13.7622, 15.0594, 16.3688



14.7976, 15.0594, 17.2354

Square

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



13.7622, 15.0594, 16.3688



14.3036, 15.0594, 18.0493



14.8793, 15.0594, 16.4255



14.3234, 15.0594, 14.8490

Rectangle

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



13.7622, 15.0594, 16.3688



13.9500, 15.0594, 17.6342



14.8793, 15.0594, 16.4255



14.6833, 15.0594, 15.2193

Sweetspot

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



13.7626, 15.0600, 16.3691



25.4872, 27.1111, 29.5145



13.6991, 15.0629, 14.7559



5.9412, 6.3141, 6.8740



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.



13.7626, 15.0600, 16.3691



23.6935, 26.2079, 28.4606



13.6711, 14.7044, 16.8704



3.4410, 3.8016, 4.1288



8.5382, 14.1328, 11.9210



42.1745, 70.2584, 57.4975

Inverse Universe

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



13.6810, 13.8176, 15.0434



23.5137, 23.4712, 25.5406



13.7661, 14.1485, 14.5759



3.4156, 3.4139, 3.7152



7.9591, 4.0760, 1.5944



39.3476, 20.1843, 6.3624

Previews

White Background



This preview shows how the XYZ color 13.7622, 15.0594, 16.3688 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 13.7622, 15.0594, 16.3688 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

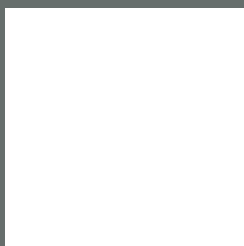
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7622, 15.0594, 16.3688

Background



This preview shows how black text looks on a background with the XYZ color 13.7622, 15.0594, 16.3688.



This preview shows how white text looks on a background with the XYZ color 13.7622, 15.0594,

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

13.7622, 15.0594, 16.3688

Protanopia

14.4468, 15.1017, 16.0634

Deuteranopia

15.2831, 15.0588, 16.5691



Tritanopia

14.3884, 15.1647, 18.9983

Trichromacy

**Original Color**

13.7622, 15.0594, 16.3688

Protanomaly

14.1859, 15.1246, 16.0816

Deuteranomaly

14.7001, 15.0643, 16.6009

Tritanomaly

14.0994, 15.0357, 18.0787

Monochromacy

**Original Color**

13.7622, 15.0594, 16.3688

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8421, 14.7899, 16.0351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7622, 15.0594, 16.3688 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, 110, 108)` looks like.

```
.text, #text, p{  
    color:rgb(102, 110, 108)  
}
```

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, 110, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 110, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.7622, 15.0594, 16.3688 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, 110, 108) }
```


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

```
.border{ border-color:rgb(102, 110, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 110, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 110, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 110, 108);  
box-shadow:4px 4px 4px 4px rgb(102, 110,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7622, 15.0594, 16.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 110, 108) }
```

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

```
.background{ background-color: rgb(102,  
110, 108) }
```

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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