

Converting Colors

XYZ(13.3689, 14.3631, 15.9292)

Have a look what the booklet for
XYZ(13.3689, 14.3631, 15.9292)
contains.

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Color

**XYZ(13.3910, 14.4017,
15.9839)**

Conversions

Conversions Part 1

Format	Color
Hex	666B6B
RGB	102, 107, 107
RGB Percent	40%, 42%, 42%
CMY	0.6000, 0.5804, 0.5804
CMYK	0.05, 0.00, 0.00, 0.58
HSL	180°, 2%, 41%
HSV	180°, 5%, 42%
XYZ	13.3910, 14.4017, 15.9839
YIQ	105.5050, -2.9800, -1.0600

Conversions

Conversions Part 2

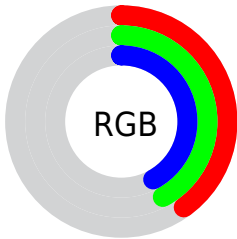
Format	Color
R_{YB}	102, 105, 107
Decimal	6712171
CIE Lab	44.80, -1.91, -0.67
CIE LCh	45, 2.026, 199.331
Yxy	14.4017, 0.3059, 0.3290
Android (android.graphics.Color)	4284902251 (0xFF666B6B)
YUV	105.5050, 0.7370, -3.0739
Hunter-Lab	37.9496, -3.4257, 1.5925

Details

The XYZ color **13.3910, 14.4017, 15.9839** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2136, 13.5882, 14.4974**, and the grayscale version is **13.5633, 14.2697, 15.5397**.

A 20% lighter version of the original color is **31.5353, 33.6946, 37.1894**, and **4.0070, 4.3702, 4.9073** is the 20% darker color. If you saturate the color by 10%, you get **12.2557, 13.8168, 15.9299**, and if you desaturate by 10%, it is **14.6837, 15.0685, 16.0459**.

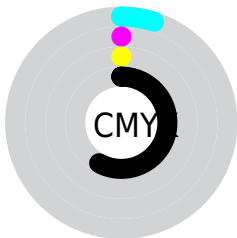
Distribution



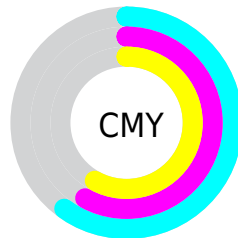
- Red (40%)
- Green (42%)
- Blue (42%)



- Red (40%)
- Yellow (41%)
- Blue (42%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3910, 14.4017, 15.9839 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 13.3910, 14.4017, 15.9839 by changing the saturation by 10% instead.

■ 13.3910, 14.4017,
15.9839

■ 13.3910, 14.4017,
15.9839

206.9959,
219.7157, 241.0892

■ 7.7772, 8.4006,
9.3585

■ 31.5998, 33.8001,
37.3367

■ 4.0033, 4.3523,
4.8758

■ 44.9256, 47.9662,
52.9011

■ 1.7040, 1.8725,
2.1171

■ 61.5527, 65.6227,
72.2824

■ 0.4588, 0.5318,
0.6259

■ 81.8465, 87.1540,
95.8989

■ 0.0000, 0.0000,
0.0000

106.1723,
112.9446, 124.1693

134.8956,

143.3788, 157.5122

168.3817,
178.8411, 196.3459

■ 13.3910, 14.4017,
15.9839

■ 13.3910, 14.4017,
15.9839

■ 12.2557, 13.8168,
15.9299

■ 14.6837, 15.0685,
16.0459

■ 11.2706, 13.3090,
15.8826

■ 16.1382, 15.8183,
16.1151

■ 10.4297, 12.8756,
15.8421

■ 17.7602, 16.6544,
16.1922

■ 9.7264, 12.5130,
15.8080

■ 19.5549, 17.5796,
16.2774

■ 9.1533, 12.2176,
15.7800

■ 21.5271, 18.5963,
16.3709

■ 8.7024, 11.9852,
15.7577

■ 23.6815, 19.7069,
16.4729

■ 8.3649, 11.8112,
15.7407

■ 26.0227, 20.9138,
16.5836

■ 8.1306, 11.6905,
15.7286

■ 28.5550, 22.2192,
16.7033

■ 7.9811, 11.6134,
15.7204

■ 31.2826, 23.6253,
16.8321

Harmonies

Analogous

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



13.3788, 14.4017, 15.5133



13.3910, 14.4017, 15.9839



13.4825, 14.4017, 16.3808

Triad

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



13.3910, 14.4017, 15.9839



13.9306, 14.4017, 16.2810



13.7472, 14.4017, 14.8044

Complementary

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



13.3910, 14.4017, 15.9839



13.2136, 13.5882, 14.4974

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.



13.8963, 14.4017, 15.0015



13.3910, 14.4017, 15.9839



14.0027, 14.4017, 15.8499

Square

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



13.3910, 14.4017, 15.9839



13.7937, 14.4017, 16.5547



13.9901, 14.4017, 15.3820



13.5836, 14.4017, 14.8386

Rectangle

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



13.3910, 14.4017, 15.9839



13.5766, 14.4017, 16.5471



13.9901, 14.4017, 15.3820



13.8007, 14.4017, 14.8456

Sweetspot

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



13.3914, 14.4023, 15.9842



24.7887, 26.2060, 28.6592



13.1453, 14.3050, 14.6388



6.0045, 6.3454, 6.9370



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.



13.3914, 14.4023, 15.9842



23.6564, 25.6223, 28.6052



13.1430, 13.9052, 15.9019



3.2592, 3.5318, 3.9446



9.6221, 14.0829, 19.1188



49.0278, 71.7582, 97.4142

Inverse Universe

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



13.2136, 13.5882, 14.4974



23.2401, 23.7165, 25.1247



13.4546, 14.0703, 14.5773



3.2009, 3.2647, 3.4568



7.3768, 3.8028, 0.3466



37.5870, 19.3767, 1.7619

Previews

White Background



This preview shows how the XYZ color 13.3910, 14.4017, 15.9839 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 13.3910, 14.4017, 15.9839 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

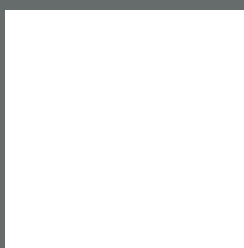
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3910, 14.4017, 15.9839

Background



This preview shows how black text looks on a background with the XYZ color 13.3910, 14.4017, 15.9839.



This preview shows how white text looks on a background with the XYZ color 13.3910, 14.4017,

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

13.3910, 14.4017, 15.9839

Protanopia

13.8374, 14.3319, 15.6727

Deuteranopia

14.6273, 14.4280, 16.2013



Tritanopia

13.7848, 14.4065, 17.9738

Trichromacy

**Original Color**

13.3910, 14.4017, 15.9839

Protanomaly

13.6994, 14.4128, 15.6956

Deuteranomaly

14.0875, 14.2983, 16.2047

Tritanomaly

13.6168, 14.3393, 17.0890

Monochromacy

**Original Color**

13.3910, 14.4017, 15.9839

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.5813, 14.3519, 15.6901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3910, 14.4017, 15.9839 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, 107, 107)` looks like.

```
.text, #text, p{  
    color:rgb(102, 107, 107)  
}
```

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, 107, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 107, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.3910, 14.4017, 15.9839 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, 107, 107) }
```


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

```
.border{ border-color:rgb(102, 107, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 107, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 107, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 107, 107);  
box-shadow:4px 4px 4px 4px rgb(102, 107,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3910, 14.4017, 15.9839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 107, 107) }
```

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

```
.background{ background-color: rgb(102,  
107, 107) }
```

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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