

Converting Colors

XYZ(13.7887, 15.0384, 15.3952)

Have a look what the booklet for
XYZ(13.7887, 15.0384, 15.3952)
contains.

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Color

**XYZ(13.7835, 15.0944,
15.2837)**

Conversions

Conversions Part 1

Format	Color
Hex	686E68
RGB	104, 110, 104
RGB Percent	41%, 43%, 41%
CMY	0.5922, 0.5686, 0.5922
CMYK	0.05, 0.00, 0.05, 0.57
HSL	120°, 3%, 42%
HSV	120°, 5%, 43%
XYZ	13.7835, 15.0944, 15.2837
YIQ	107.5220, -1.6500, -3.1380

Conversions

Conversions Part 2

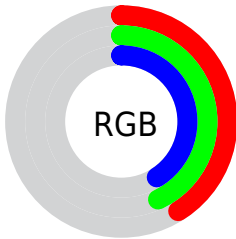
Format	Color
R_{YB}	104, 110, 110
Decimal	6844008
CIE Lab	45.76, -3.53, 2.55
CIE LCh	46, 4.354, 144.188
Yxy	15.0944, 0.3121, 0.3418
Android (android.graphics.Color)	4285034088 (0xFF686E68)
YUV	107.5220, -1.7363, -3.0888
Hunter-Lab	38.8515, -4.6630, 3.8721

Details

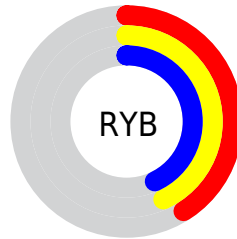
The XYZ color **13.7835, 15.0944, 15.2837** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.1957, 14.3417, 16.7726**, and the grayscale version is **14.1256, 14.8612, 16.1839**.

A 20% lighter version of the original color is **32.3543, 35.1758, 36.0947**, and **4.1485, 4.6105, 4.5422** is the 20% darker color. If you saturate the color by 10%, you get **12.0663, 14.2700, 12.4746**, and if you desaturate by 10%, it is **15.7411, 16.0352, 18.4852**.

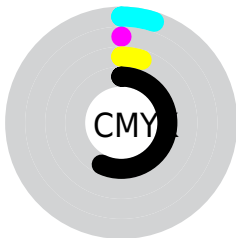
Distribution



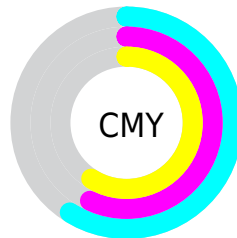
- Red (41%)
- Green (43%)
- Blue (41%)



- Red (41%)
- Yellow (43%)
- Blue (43%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (57%)



- Cyan (59%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7835, 15.0944, 15.2837 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 13.7835, 15.0944, 15.2837 by changing the saturation by 10% instead.

■ 13.7835, 15.0944,
15.2837

■ 13.7835, 15.0944,
15.2837

209.4175,
223.9369, 236.7767

■ 8.0509, 8.8857,
8.8699

■ 32.2939, 35.0187,
36.0994

■ 4.1796, 4.6667,
4.5608

■ 45.8024, 49.5031,
51.3384

■ 1.8043, 2.0531,
1.9378

■ 62.6336, 67.5147,
70.3563

■ 0.5202, 0.6380,
0.5166

■ 83.1528, 89.4381,
93.5715

■ 0.0000, 0.0000,
0.0000

107.7255,
115.6577, 121.4026

136.7169,

146.5577, 154.2681

170.4925,
182.5226, 192.5866

■ 13.7835, 15.0944,
15.2837

■ 13.7835, 15.0944,
15.2837

■ 12.0663, 14.2700,
12.4746

■ 15.7411, 16.0352,
18.4852

■ 10.5789, 13.5555,
10.0419

■ 17.9464, 17.0945,
22.0923

■ 9.3121, 12.9470,
7.9698

■ 20.4083, 18.2771,
26.1189

■ 8.2553, 12.4394,
6.2412

■ 23.1345, 19.5866,
30.5778

■ 7.3972, 12.0272,
4.8376

■ 26.1325, 21.0267,
35.4815

■ 6.7254, 11.7045,
3.7387

■ 29.4098, 22.6010,
40.8417

■ 6.2261, 11.4646,
2.9219

■ 32.9731, 24.3126,
46.6698

■ 5.8834, 11.3000,
2.3614

■ 36.8293, 26.1649,
52.9768

■ 5.6662, 11.1957,
2.0061

■ 40.9848, 28.1610,
59.7735

Harmonies

Analogous

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



14.0603, 15.0944, 14.6641



13.7835, 15.0944, 15.2837



13.6578, 15.0944, 16.2320

Triad

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



13.7835, 15.0944, 15.2837



14.2756, 15.0944, 18.5234



14.9985, 15.0944, 15.6230

Complementary

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



13.7835, 15.0944, 15.2837



14.1957, 14.3417, 16.7726

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.



15.0585, 15.0944, 16.6402



13.7835, 15.0944, 15.2837



14.6371, 15.0944, 18.3436

Square

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



13.7835, 15.0944, 15.2837



13.9388, 15.0944, 18.1248



14.9252, 15.0944, 17.6432



14.7626, 15.0944, 14.8541

Rectangle

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



13.7835, 15.0944, 15.2837



13.6751, 15.0944, 16.9343



14.9252, 15.0944, 17.6432



15.0401, 15.0944, 15.9461

Sweetspot

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



13.7839, 15.0950, 15.2840



25.3278, 27.0473, 28.6751



14.5057, 15.4671, 15.3177



5.9071, 6.3004, 6.6945



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.



13.7839, 15.0950, 15.2840



23.6546, 26.2436, 25.9384



13.9391, 15.1571, 16.1013



3.4264, 3.8023, 3.7565



6.6985, 13.3969, 2.2330



33.3680, 66.7358, 11.1231

Inverse Universe

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



14.1957, 14.3417, 16.7726



24.5965, 24.5203, 29.3435



14.0350, 14.2774, 15.9265



3.5635, 3.5516, 4.2519



11.1055, 5.3346, 18.1635



55.3214, 26.5739, 90.4797

Previews

White Background



This preview shows how the XYZ color 13.7835, 15.0944, 15.2837 looks on a white background.

Color Contrast Check

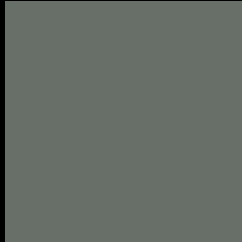
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7835, 15.0944, 15.2837 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

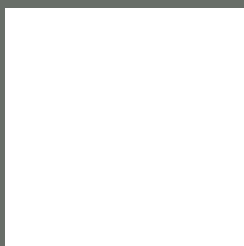
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7835, 15.0944, 15.2837

Background



This preview shows how black text looks on a background with the XYZ color 13.7835, 15.0944, 15.2837.



This preview shows how white text looks on a background with the XYZ color 13.7835, 15.0944,

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

13.7835, 15.0944, 15.2837

Protanopia

14.3663, 15.0839, 14.9863

Deuteranopia

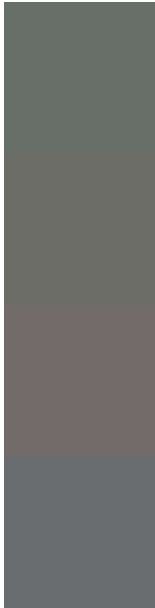
15.3471, 15.1161, 15.4734



Tritanopia

14.5173, 15.0736, 18.9740

Trichromacy



Original Color

13.7835, 15.0944, 15.2837

Protanomaly

14.1012, 15.1047, 15.0043

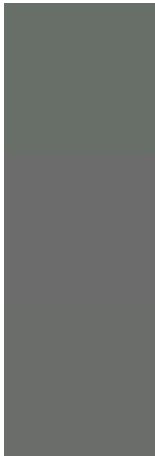
Deuteranomaly

14.7469, 15.1127, 15.5044

Tritanomaly

14.2190, 15.1104, 17.4964

Monochromacy



Original Color

13.7835, 15.0944, 15.2837

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.1859, 15.1246, 16.0816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7835, 15.0944, 15.2837 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(104, 110, 104)` looks like.

```
.text, #text, p{  
    color:rgb(104, 110, 104)  
}
```

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(104, 110, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 110, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.7835, 15.0944, 15.2837 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(104, 110, 104) }
```


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

```
.border{ border-color:rgb(104, 110, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 110, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 110, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 110, 104);  
box-shadow:4px 4px 4px 4px rgb(104, 110,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7835, 15.0944, 15.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 110, 104) }
```

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

```
.background{ background-color: rgb(104,  
110, 104) }
```

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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