

Converting Colors

XYZ(13.8094, 15.6065, 7.1193)

Have a look what the booklet for
XYZ(13.8094, 15.6065, 7.1193)
contains.

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Color

**XYZ(13.7898, 15.6033,
7.1354)**

Conversions

Conversions Part 1

Format	Color
Hex	737040
RGB	115, 112, 64
RGB Percent	45%, 44%, 25%
CMY	0.5490, 0.5608, 0.7490
CMYK	0.00, 0.03, 0.44, 0.55
HSL	56°, 28%, 35%
HSV	56°, 44%, 45%
XYZ	13.7898, 15.6033, 7.1354
YIQ	107.4250, 17.1960, -14.2920

Conversions

Conversions Part 2

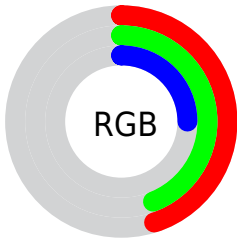
Format	Color
RYB	67, 115, 64
Decimal	7565376
CIELab	46.45, -6.45, 27.04
CIELCh	46, 27.797, 103.416
Yxy	15.6033, 0.3775, 0.4272
Android (android.graphics.Color)	4285755456 (0xFF737040)
YUV	107.4250, -21.4085, 6.6433
Hunter-Lab	39.5010, -6.8124, 16.9407

Details

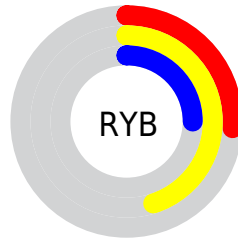
The XYZ color **13.7898, 15.6033, 7.1354** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.2160, 6.3419, 17.0635**, and the grayscale version is **14.1479, 14.8847, 16.2094**.

A 20% lighter version of the original color is **32.4045, 36.0680, 20.8767**, and **4.1309, 4.8376, 1.3321** is the 20% darker color. If you saturate the color by 10%, you get **13.4216, 15.3377, 5.5614**, and if you desaturate by 10%, it is **14.2268, 15.8984, 9.0658**.

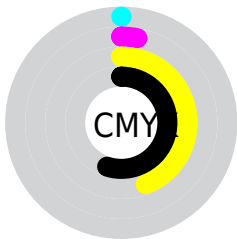
Distribution



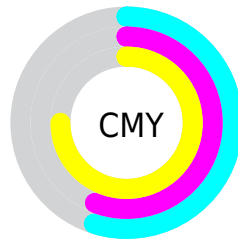
- Red (45%)
- Green (44%)
- Blue (25%)



- Red (26%)
- Yellow (45%)
- Blue (25%)



- Cyan (0%)
- Magenta (3%)
- Yellow (44%)
- Black (55%)



- Cyan (55%)
- Magenta (56%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7898, 15.6033, 7.1354 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 13.7898, 15.6033, 7.1354 by changing the saturation by 10% instead.

■ 13.7898, 15.6033,
7.1354

■ 13.7898, 15.6033,
7.1354

■ 209.4561,
226.9894, 178.4575

■ 8.0553, 9.2439,
3.4672

■ 32.3050, 35.9081,
20.7626

■ 4.1825, 4.9006,
1.3379

■ 45.8164, 50.6223,
31.5586

■ 1.8059, 2.1891,
0.0925

■ 62.6509, 68.8902,
45.5677

■ 0.5212, 0.7140,
0.0000

■ 83.1737, 91.0963,
63.2084

■ 0.0000, 0.0000,
0.0000

■ 107.7503,
117.6248, 84.8991

■ 136.7460,

148.8602, 111.0585

170.5262,
185.1869, 142.1051

■ 13.7898, 15.6033,
7.1354

■ 13.7898, 15.6033,
7.1354

■ 13.4216, 15.3377,
5.5614

■ 14.2268, 15.8984,
9.0658

■ 13.1170, 15.0979,
4.3208

■ 14.7354, 16.2225,
11.3717

■ 12.8715, 14.8826,
3.3894

■ 15.3193, 16.5777,
14.0721

■ 12.6801, 14.6898,
2.7394

■ 15.9821, 16.9652,
17.1845

■ 12.5344, 14.5163,
2.3280

■ 16.7267, 17.3864,
20.7251

■ 12.4583, 14.4210,
2.1269

■ 17.5560, 17.8425,
24.7094

■ 18.4730, 18.3344,
29.1521

■ 19.4802, 18.8634,
34.0673

■ 20.5802, 19.4304,
39.4684

Harmonies

Analogous

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



16.1808, 15.6033, 7.2415



13.7898, 15.6033, 7.1354



11.8916, 15.6033, 9.1119

Triad

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



13.7898, 15.6033, 7.1354



11.7373, 15.6033, 27.7323



19.6839, 15.6033, 21.0284

Complementary

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



13.7898, 15.6033, 7.1354



7.2160, 6.3419, 17.0635

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.



18.2176, 15.6033, 28.4514



13.7898, 15.6033, 7.1354



13.5574, 15.6033, 32.9775

Square

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



13.7898, 15.6033, 7.1354



10.7953, 15.6033, 20.2288



15.9222, 15.6033, 33.2713



19.7634, 15.6033, 14.1156

Rectangle

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



13.7898, 15.6033, 7.1354



11.0895, 15.6033, 11.7551



15.9222, 15.6033, 33.2713



19.3303, 15.6033, 23.5841

Sweetspot

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



13.7902, 15.6040, 7.1357



27.5451, 29.7527, 25.7253



9.9289, 7.7218, 6.3407



6.5226, 7.0689, 5.9100



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.7902, 15.6040, 7.1357



24.0313, 27.4631, 9.9471



11.5603, 14.9536, 7.1277



3.9491, 4.2312, 3.9509



14.2371, 16.4755, 2.4297



69.1582, 79.8448, 11.7666

Inverse Universe

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



7.2160, 6.3419, 17.0635



10.6619, 8.6315, 30.1486



8.7750, 6.8880, 17.0867



3.5163, 3.6213, 4.6039



3.6158, 1.5712, 18.6553



17.4061, 7.2287, 90.8382

Previews

White Background



This preview shows how the XYZ color 13.7898, 15.6033, 7.1354 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 13.7898, 15.6033, 7.1354 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 13.7898, 15.6033, 7.1354

Background



This preview shows how black text looks on a background with the XYZ color 13.7898, 15.6033, 7.1354.



This preview shows how white text looks on a background with the XYZ color 13.7898, 15.6033,

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

13.7898, 15.6033, 7.1354

Protanopia

14.3583, 15.5757, 6.9523

Deuteranopia

15.8665, 15.5648, 7.3223



Tritanopia

15.9370, 15.5160, 18.0745

Trichromacy



Original Color

13.7898, 15.6033, 7.1354

Protanomaly

14.1894, 15.6497, 6.9755

Deuteranomaly

15.0691, 15.6188, 7.2215

Tritanomaly

14.9451, 15.4212, 13.2552

Monochromacy



Original Color

13.7898, 15.6033, 7.1354

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7874, 15.0076, 12.0676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7898, 15.6033, 7.1354 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(115, 112, 64)` looks like.

```
.text, #text, p{  
    color:rgb(115, 112, 64)  
}
```

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(115, 112, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 112, 64) }
```

Border

The CSS property to change the border of an element to XYZ 13.7898, 15.6033, 7.1354 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(115, 112, 64) }
```


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

```
.border{ border-color:rgb(115, 112, 64) }
```

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

Here you see how a box with a 4 pixel rgb(115, 112, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 112, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 112, 64);  
box-shadow:4px 4px 4px 4px rgb(115, 112,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7898, 15.6033, 7.1354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 112, 64) }
```

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

```
.background{ background-color: rgb(115,  
112, 64) }
```

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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