

Converting Colors

XYZ(13.4386, 15.7451, 12.5889)

Have a look what the booklet for
XYZ(13.4386, 15.7451, 12.5889)
contains.

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Color

**XYZ(13.4733, 15.8185,
12.6991)**

Conversions

Conversions Part 1

Format	Color
Hex	65735D
RGB	101, 115, 93
RGB Percent	40%, 45%, 36%
CMY	0.6039, 0.5490, 0.6353
CMYK	0.12, 0.00, 0.19, 0.55
HSL	98°, 11%, 41%
HSV	98°, 19%, 45%
XYZ	13.4733, 15.8185, 12.6991
YIQ	108.3060, -1.2820, -9.8100

Conversions

Conversions Part 2

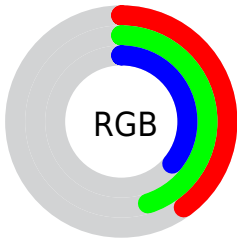
Format	Color
RYB	93, 115, 107
Decimal	6648669
CIELab	46.74, -9.71, 10.45
CIELCh	47, 14.261, 132.894
Yxy	15.8185, 0.3209, 0.3767
Android (android.graphics.Color)	4284838749 (0xFF65735D)
YUV	108.3060, -7.5459, -6.4074
Hunter-Lab	39.7725, -9.1333, 8.9098

Details

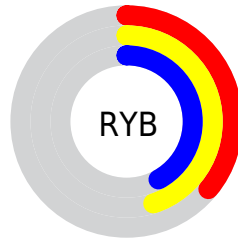
The XYZ color **13.4733, 15.8185, 12.6991** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0730, 12.1928, 17.8850**, and the grayscale version is **14.3610, 15.1089, 16.4535**.

A 20% lighter version of the original color is **31.7255, 36.2960, 31.3203**, and **4.0416, 5.0038, 3.4421** is the 20% darker color. If you saturate the color by 10%, you get **12.2185, 15.2266, 10.1784**, and if you desaturate by 10%, it is **14.8786, 16.4801, 15.6274**.

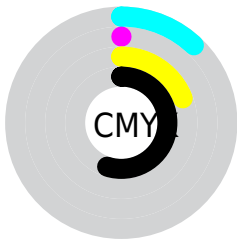
Distribution



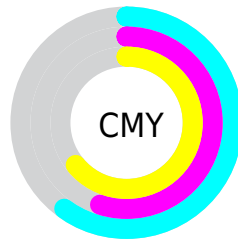
- Red (40%)
- Green (45%)
- Blue (36%)



- Red (36%)
- Yellow (45%)
- Blue (42%)



- Cyan (12%)
- Magenta (0%)
- Yellow (19%)
- Black (55%)



- Cyan (60%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4733, 15.8185, 12.6991 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 13.4733, 15.8185, 12.6991 by changing the saturation by 10% instead.

■ 13.4733, 15.8185,
12.6991

■ 13.4733, 15.8185,
12.6991

207.5060,
228.2683, 220.1198

■ 7.8345, 9.3958,
7.0934

■ 31.7456, 36.2828,
31.4454

■ 4.0401, 5.0002,
3.4412

■ 45.1099, 51.0932,
45.4230

■ 1.7249, 2.2474,
1.3241

■ 61.7800, 69.4684,
63.0283

■ 0.4718, 0.7457,
0.0814

■ 82.1213, 91.7926,
84.6799

■ 0.0000, 0.0000,
0.0000

106.4993,
118.4503, 110.7964

135.2791,

149.8259, 141.7961

168.8262,
186.3038, 178.0978

■ 13.4733, 15.8185,
12.6991

■ 13.4733, 15.8185,
12.6991

■ 12.2185, 15.2266,
10.1784

■ 14.8786, 16.4801,
15.6274

■ 11.1077, 14.7000,
8.0464

■ 16.4381, 17.2114,
18.9793

■ 10.1355, 14.2368,
6.2838

■ 18.1570, 18.0154,
22.7710

■ 9.2960, 13.8345,
4.8697

■ 20.0400, 18.8941,
27.0177

■ 8.5826, 13.4900,
3.7808

■ 22.0913, 19.8493,
31.7338

■ 7.9880, 13.2004,
2.9910

■ 24.3152, 20.8830,
36.9330

■ 7.5043, 12.9621,
2.4705

■ 26.7157, 21.9970,
42.6287

■ 7.1097, 12.7660,
2.1180

■ 29.2968, 23.1929,
48.8334

■ 7.0781, 12.7504,
2.0880

■ 32.0622, 24.4725,
55.5595

Harmonies

Analogous

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



14.5104, 15.8185, 11.3996



13.4733, 15.8185, 12.6991



12.8741, 15.8185, 15.2964

Triad

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



13.4733, 15.8185, 12.6991



14.3461, 15.8185, 24.5901



17.4751, 15.8185, 15.7477

Complementary

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



13.4733, 15.8185, 12.6991



13.0730, 12.1928, 17.8850

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.



17.4251, 15.8185, 19.3063



13.4733, 15.8185, 12.6991



15.5721, 15.8185, 24.7548

Square

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



13.4733, 15.8185, 12.6991



13.3587, 15.8185, 22.2893



16.7130, 15.8185, 22.7125



16.8460, 15.8185, 12.9903

Rectangle

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



13.4733, 15.8185, 12.6991



12.7822, 15.8185, 17.5699



16.7130, 15.8185, 22.7125



17.5381, 15.8185, 16.8820

Sweetspot

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



13.4737, 15.8192, 12.6994



27.4426, 29.8852, 29.6867



14.2974, 14.9374, 12.4858



6.5156, 7.1149, 7.0156



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.



13.4737, 15.8192, 12.6994



23.0881, 27.8363, 20.6323



12.7537, 15.4327, 13.3572



3.7547, 4.1570, 3.9468



8.0690, 14.5641, 2.3859



38.4542, 70.5256, 11.5861

Inverse Universe

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



13.0730, 12.1928, 17.8850



22.2288, 20.0641, 31.7457



13.9136, 12.6453, 17.0570



3.7037, 3.6945, 4.6082



6.6715, 3.0306, 18.7759



31.5475, 14.2718, 91.4523

Previews

White Background



This preview shows how the XYZ color 13.4733, 15.8185, 12.6991 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 13.4733, 15.8185, 12.6991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

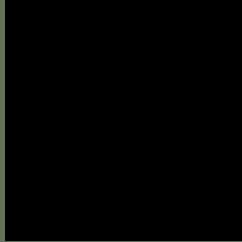
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4733, 15.8185, 12.6991

Background



This preview shows how black text looks on a background with the XYZ color 13.4733, 15.8185, 12.6991.



This preview shows how white text looks on a background with the XYZ color 13.4733, 15.8185,

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

13.4733, 15.8185, 12.6991

Protanopia

14.8004, 15.6891, 12.1458

Deuteranopia

15.9720, 15.6463, 13.0047



Tritanopia

14.9003, 15.7282, 20.0198

Trichromacy



Original Color

13.4733, 15.8185, 12.6991

Protanomaly

14.2815, 15.7406, 12.4107

Deuteranomaly

14.9602, 15.5970, 12.8117

Tritanomaly

14.3176, 15.6572, 17.0194

Monochromacy



Original Color

13.4733, 15.8185, 12.6991

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9583, 15.3514, 15.0594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4733, 15.8185, 12.6991 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(101, 115, 93)` looks like.

```
.text, #text, p{  
    color:rgb(101, 115, 93)  
}
```

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(101, 115, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 115, 93) }
```

Border

The CSS property to change the border of an element to XYZ 13.4733, 15.8185, 12.6991 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(101, 115, 93) }
```


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

```
.border{ border-color:rgb(101, 115, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 115, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 115, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 115, 93);  
box-shadow:4px 4px 4px 4px rgb(101, 115,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4733, 15.8185, 12.6991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 115, 93) }
```

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

```
.background{ background-color: rgb(101,  
115, 93) }
```

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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