

Converting Colors

XYZ(12.9768, 14.9464, 15.4788)

Have a look what the booklet for
XYZ(12.9768, 14.9464, 15.4788)
contains.

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Color

**XYZ(13.0633, 15.0412,
15.5793)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7069
RGB	95, 112, 105
RGB Percent	37%, 44%, 41%
CMY	0.6274, 0.5608, 0.5882
CMYK	0.15, 0.00, 0.06, 0.56
HSL	155°, 8%, 41%
HSV	155°, 15%, 44%
XYZ	13.0633, 15.0412, 15.5793
YIQ	106.1190, -7.8850, -5.7810

Conversions

Conversions Part 2

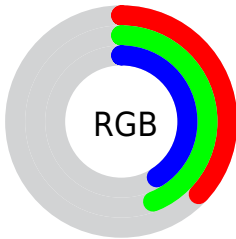
Format	Color
R _Y B	95, 106, 112
Decimal	6254697
CIE Lab	45.69, -7.87, 1.76
CIE LCh	46, 8.068, 167.427
Yxy	15.0412, 0.2990, 0.3443
Android (android.graphics.Color)	4284444777 (0xFF5F7069)
YUV	106.1190, -0.5517, -9.7514
Hunter-Lab	38.7830, -7.7459, 3.3310

Details

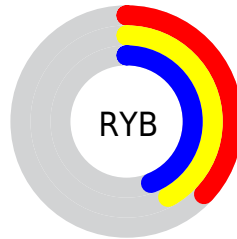
The XYZ color **13.0633, 15.0412, 15.5793** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1731, 12.5889, 14.3067**, and the grayscale version is **13.7356, 14.4509, 15.7370**.

A 20% lighter version of the original color is **31.1303, 35.0622, 36.5794**, and **3.8637, 4.6252, 4.6921** is the 20% darker color. If you saturate the color by 10%, you get **11.7519, 14.3922, 14.3139**, and if you desaturate by 10%, it is **14.5557, 15.7828, 16.9210**.

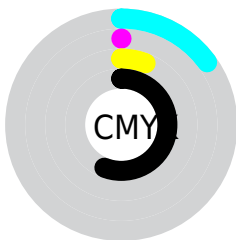
Distribution



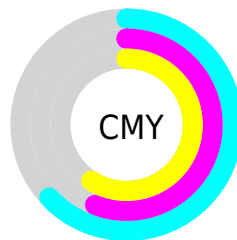
- Red (37%)
- Green (44%)
- Blue (41%)



- Red (37%)
- Yellow (42%)
- Blue (44%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (56%)



- Cyan (63%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0633, 15.0412, 15.5793 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 13.0633, 15.0412, 15.5793 by changing the saturation by 10% instead.

■ 13.0633, 15.0412,
15.5793

■ 13.0633, 15.0412,
15.5793

204.9524,
223.6155, 238.6066

■ 7.5494, 8.8483,
9.0758

■ 31.0178, 34.9254,
36.6229

■ 3.8574, 4.6424,
4.6932

■ 44.1892, 49.3856,
52.0000

■ 1.6218, 2.0390,
2.0128

■ 60.6438, 67.3702,
71.1722

■ 0.4065, 0.6300,
0.5631

■ 80.7469, 89.2638,
94.5579

■ 0.0000, 0.0000,
0.0000

104.8640,
115.4508, 122.5756

133.3604,

146.3154, 155.6440

166.6014,
182.2422, 194.1815

■ 13.0633, 15.0412,
15.5793

■ 13.0633, 15.0412,
15.5793

■ 11.7519, 14.3922,
14.3139

■ 14.5557, 15.7828,
16.9210

■ 10.6129, 13.8303,
13.1223

■ 16.2348, 16.6188,
18.3392

■ 9.6390, 13.3519,
12.0035

■ 18.1074, 17.5530,
19.8358

■ 8.8217, 12.9529,
10.9559

■ 20.1798, 18.5886,
21.4118

■ 8.1518, 12.6285,
9.9780

■ 22.4579, 19.7287,
23.0686

■ 7.6189, 12.3734,
9.0682

■ 24.9473, 20.9761,
24.8074

■ 7.2116, 12.1817,
8.2246

■ 27.6534, 22.3336,
26.6293

■ 6.9085, 12.0424,
7.4450

■ 30.5816, 23.8040,
28.5356

■ 6.7742, 11.9808,
7.0906

■ 33.7368, 25.3898,
30.5273

Harmonies

Analogous

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



13.3591, 15.0412, 13.9830



13.0633, 15.0412, 15.5793



13.0902, 15.0412, 17.5190

Triad

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



13.0633, 15.0412, 15.5793



14.6895, 15.0412, 20.1968



15.1948, 15.0412, 13.7832

Complementary

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



13.0633, 15.0412, 15.5793



13.1731, 12.5889, 14.3067

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.



15.5741, 15.0412, 15.2863



13.0633, 15.0412, 15.5793



15.2761, 15.0412, 19.0304

Square

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



13.0633, 15.0412, 15.5793



14.0148, 15.0412, 20.2909



15.6044, 15.0412, 17.2021



14.5814, 15.0412, 13.0024

Rectangle

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



13.0633, 15.0412, 15.5793



13.2875, 15.0412, 18.7484



15.6044, 15.0412, 17.2021



15.3548, 15.0412, 14.2151

Sweetspot

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



13.0637, 15.0418, 15.5796



25.5832, 27.7320, 29.7364



13.3492, 15.2449, 13.0657



6.1099, 6.6444, 7.1124



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.0637, 15.0418, 15.5796



22.1557, 26.0304, 26.6218



13.2836, 14.8816, 17.5024



3.4196, 3.7931, 4.0161



7.8195, 13.8453, 8.1363



38.5160, 68.7950, 38.2321

Inverse Universe

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



13.1731, 12.5889, 14.3067



22.3846, 20.9005, 23.9601



12.9691, 12.7133, 12.5971



3.4362, 3.4222, 3.8236



8.2869, 4.2071, 3.3209



40.8731, 20.7945, 14.3956

Previews

White Background



This preview shows how the XYZ color 13.0633, 15.0412, 15.5793 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 13.0633, 15.0412, 15.5793 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 13.0633, 15.0412, 15.5793

Background



This preview shows how black text looks on a background with the XYZ color 13.0633, 15.0412, 15.5793.



This preview shows how white text looks on a background with the XYZ color 13.0633, 15.0412,

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

13.0633, 15.0412, 15.5793

Protanopia

14.3663, 15.0839, 14.9863

Deuteranopia

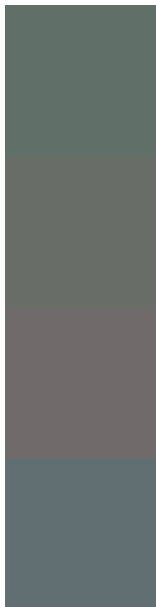
15.2119, 14.8841, 15.9811



Tritanopia

13.8355, 15.0252, 19.6237

Trichromacy



Original Color

13.0633, 15.0412, 15.5793

Protanomaly

13.7930, 14.9400, 15.2534

Deuteranomaly

14.2896, 14.8710, 15.7529

Tritanomaly

13.5456, 15.0706, 18.1146

Monochromacy



Original Color

13.0633, 15.0412, 15.5793

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4436, 14.5905, 15.7434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0633, 15.0412, 15.5793 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(95, 112, 105) looks like.

```
.text, #text, p{  
    color:rgb(95, 112, 105)  
}
```

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(95, 112, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 112, 105) }
```

Border

The CSS property to change the border of an element to XYZ 13.0633, 15.0412, 15.5793 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(95, 112, 105) }
```


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

```
.border{ border-color:rgb(95, 112, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 112, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 112, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 112, 105);  
box-shadow:4px 4px 4px 4px rgb(95, 112,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0633, 15.0412, 15.5793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 112, 105) }
```

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

```
.background{ background-color: rgb(95, 112,  
105) }
```

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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