

Converting Colors

XYZ(11.7633, 14.5968, 12.7872)

Have a look what the booklet for
XYZ(11.7633, 14.5968, 12.7872)
contains.

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Color

**XYZ(11.7633, 14.5968,
12.7872)**

Conversions

Conversions Part 1

Format	Color
Hex	56715E
RGB	86, 113, 94
RGB Percent	34%, 44%, 37%
CMY	0.6627, 0.5569, 0.6314
CMYK	0.24, 0.00, 0.17, 0.56
HSL	138°, 14%, 39%
HSV	138°, 24%, 44%
XYZ	11.7633, 14.5968, 12.7872
YIQ	102.7610, -9.9930, -11.6330

Conversions

Conversions Part 2

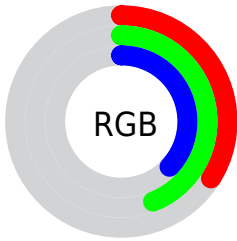
Format	Color
R_{YB}	86, 107, 113
Decimal	5665118
CIE _{Lab}	45.08, -14.09, 7.36
CIE _{LCh}	45, 15.898, 152.409
Yxy	14.5968, 0.3005, 0.3729
Android (android.graphics.Color)	4283855198 (0xFF56715E)
YUV	102.7610, -4.3192, -14.6994
Hunter-Lab	38.2058, -11.9011, 6.9001

Details

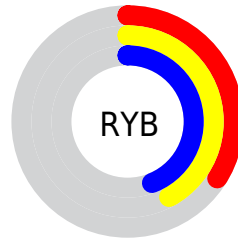
The XYZ color **11.7633, 14.5968, 12.7872** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.6882, 11.1867, 14.8558**, and the grayscale version is **12.8423, 13.5111, 14.7135**.

A 20% lighter version of the original color is **28.6425, 34.1581, 31.4691**, and **3.2989, 4.4451, 3.4804** is the 20% darker color. If you saturate the color by 10%, you get **10.4654, 13.9672, 10.9588**, and if you desaturate by 10%, it is **13.2633, 15.3271, 14.8176**.

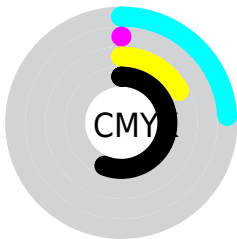
Distribution



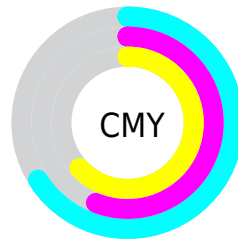
- Red (34%)
- Green (44%)
- Blue (37%)



- Red (34%)
- Yellow (42%)
- Blue (44%)



- Cyan (24%)
- Magenta (0%)
- Yellow (17%)
- Black (56%)



- Cyan (66%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7633, 14.5968, 12.7872 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 11.7633, 14.5968, 12.7872 by changing the saturation by 10% instead.

■ 11.7633, 14.5968,
12.7872

■ 11.7633, 14.5968,
12.7872

196.6340,
220.9126, 220.7090

■ 6.6538, 8.5369,
7.1532

■ 28.6839, 34.1443,
31.6065

■ 3.2909, 4.4404,
3.4782

■ 41.2256, 48.4007,
45.6289

■ 1.3094, 1.9228,
1.3437

■ 56.9755, 66.1580,
63.2844

■ 0.1902, 0.5620,
0.0972

■ 76.2988, 87.8006,
84.9917

■ 0.0000, 0.0000,
0.0000

■ 99.5610, 113.7130,
111.1693

127.1273,

144.2796, 142.2357

159.3632,
179.8846, 178.6094

■ 11.7633, 14.5968,
12.7872

■ 11.7633, 14.5968,
12.7872

■ 10.4654, 13.9672,
10.9588

■ 13.2633, 15.3271,
14.8176

■ 9.3596, 13.4322,
9.3253

■ 14.9725, 16.1605,
17.0551

■ 8.4368, 12.9875,
7.8805

■ 16.8991, 17.1014,
19.5055

■ 7.6867, 12.6280,
6.6174

■ 19.0505, 18.1537,
22.1744

■ 7.0978, 12.3479,
5.5289

■ 21.4337, 19.3207,
25.0670

■ 6.6574, 12.1408,
4.6071

■ 24.0554, 20.6059,
28.1885

■ 6.3470, 11.9974,
3.8434

■ 26.9221, 22.0124,
31.5436

■ 6.1866, 11.9232,
3.4497

■ 30.0400, 23.5434,
35.1372

■ 33.4151, 25.2019,
38.9739

Harmonies

Analogous

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



12.5698, 14.5968, 10.5580



11.7633, 14.5968, 12.7872



11.5111, 14.5968, 16.1980

Triad

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



11.7633, 14.5968, 12.7872



13.9798, 14.5968, 24.2248



16.1058, 14.5968, 12.3391

Complementary

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



11.7633, 14.5968, 12.7872



12.6882, 11.1867, 14.8558

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.



16.5396, 14.5968, 15.5927



11.7633, 14.5968, 12.7872



15.2650, 14.5968, 22.7780

Square

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



11.7633, 14.5968, 12.7872



12.7420, 14.5968, 23.1649



16.2228, 14.5968, 19.4659



15.0708, 14.5968, 10.3293

Rectangle

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



11.7633, 14.5968, 12.7872



11.6775, 14.5968, 18.7986



16.2228, 14.5968, 19.4659



16.3296, 14.5968, 13.3042

Sweetspot

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



11.7637, 14.5974, 12.7875



25.7597, 28.4248, 29.1780



13.4523, 15.5073, 11.0886



5.9305, 6.5606, 6.7129



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.



11.7637, 14.5974, 12.7875



19.6542, 25.4535, 20.9285



12.4051, 14.8540, 16.1652



3.3820, 3.7780, 3.8178



7.0094, 13.5213, 3.8704



34.5799, 67.2206, 17.5051

Inverse Universe

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



12.6882, 11.1867, 14.8558



21.6339, 18.1463, 25.3551



12.0635, 10.9368, 11.5665



3.4743, 3.4374, 4.0246



9.3386, 4.6278, 8.8588



46.1278, 22.8964, 42.0665

Previews

White Background



This preview shows how the XYZ color 11.7633, 14.5968, 12.7872 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 11.7633, 14.5968, 12.7872 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 11.7633, 14.5968, 12.7872

Background



This preview shows how black text looks on a background with the XYZ color 11.7633, 14.5968, 12.7872.



This preview shows how white text looks on a background with the XYZ color 11.7633, 14.5968,

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

11.7633, 14.5968, 12.7872

Protanopia

13.7245, 14.5081, 11.9745

Deuteranopia

14.7073, 14.5381, 13.0973



Tritanopia

13.1603, 14.6840, 19.2802

Trichromacy



Original Color

11.7633, 14.5968, 12.7872

Protanomaly

12.9939, 14.5935, 12.2572

Deuteranomaly

13.5076, 14.5298, 12.9191

Tritanomaly

12.5646, 14.5969, 16.6232

Monochromacy



Original Color

11.7633, 14.5968, 12.7872

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4877, 13.9769, 14.0962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7633, 14.5968, 12.7872 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(86, 113, 94) looks like.

```
.text, #text, p{  
    color:rgb(86, 113, 94)  
}
```

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(86, 113, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 113, 94) }
```

Border

The CSS property to change the border of an element to XYZ 11.7633, 14.5968, 12.7872 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(86, 113, 94) }
```


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

```
.border{ border-color:rgb(86, 113, 94) }
```

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

Here you see how a box with a 4 pixel rgb(86, 113, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 113, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 113, 94);  
box-shadow:4px 4px 4px 4px rgb(86, 113,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7633, 14.5968, 12.7872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 113, 94) }
```

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

```
.background{ background-color: rgb(86, 113,  
94) }
```

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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