

Converting Colors

XYZ(13.2337, 14.6633, 14.7032)

Have a look what the booklet for
XYZ(13.2337, 14.6633, 14.7032)
contains.

XYZ(13.2337, 14.6633, 14.7032)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.2337, 14.6633,
14.7032)**

Conversions

Conversions Part 1	
Format	Color
Hex	656D66
RGB	101, 109, 102
RGB Percent	40%, 43%, 40%
CMY	0.6039, 0.5725, 0.6000
CMYK	0.07, 0.00, 0.06, 0.57
HSL	128°, 4%, 41%
HSV	128°, 7%, 43%
XYZ	13.2337, 14.6633, 14.7032
YIQ	105.8100, -2.5210, -3.8730

Conversions

Conversions Part 2

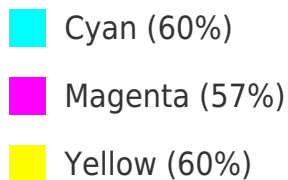
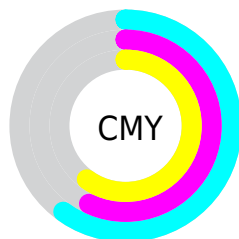
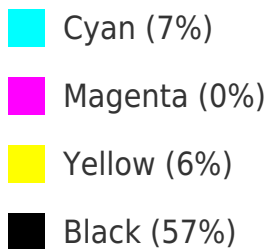
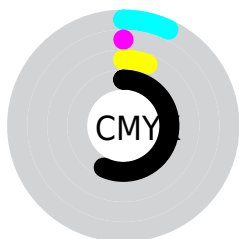
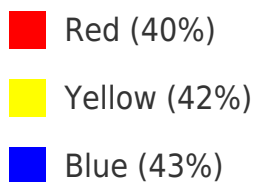
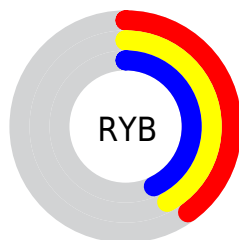
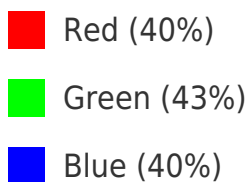
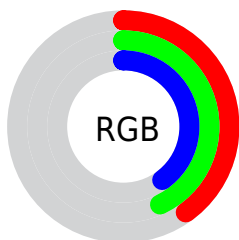
Format	Color
RYB	101, 108, 109
Decimal	6647142
CIELab	45.17, -4.51, 2.86
CIELCh	45, 5.340, 147.659
Yxy	14.6633, 0.3106, 0.3442
Android (android.graphics.Color)	4284837222 (0xFF656D66)
YUV	105.8100, -1.8783, -4.2184
Hunter-Lab	38.2927, -5.3238, 4.0394

Details

The XYZ color **13.2337, 14.6633, 14.7032** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6676, 13.6415, 16.1007**, and the grayscale version is **13.6534, 14.3644, 15.6429**.

A 20% lighter version of the original color is **31.2695, 34.1169, 35.0741**, and **3.9335, 4.5054, 4.2767** is the 20% darker color. If you saturate the color by 10%, you get **11.6472, 13.8974, 12.3004**, and if you desaturate by 10%, it is **15.0373, 15.5357, 17.4009**.


Distribution




Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2337, 14.6633, 14.7032 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 13.2337, 14.6633, 14.7032 by changing the saturation by 10% instead.


 13.2337, 14.6633,
14.7032


 13.2337, 14.6633,
14.7032


206.0175,
221.3191, 233.1412


 7.6678, 8.5834,
8.4670


 31.3208, 34.2614,
35.0666


 3.9331, 4.4705,
4.3032

 44.5726, 48.5484,
50.0309

 1.6644, 1.9401,
1.7931

 61.1171, 66.3400,
68.7416

 0.4338, 0.5723,
0.4234

 81.3197, 88.0204,
91.6174


 0.0000, 0.0000,
0.0000


105.5457,
113.9742, 119.0767


134.1604,


144.5856, 151.5381


167.5292,
180.2391, 189.4201


 13.2337, 14.6633,
14.7032


 13.2337, 14.6633,
14.7032


 11.6472, 13.8974,
12.3004


 15.0373, 15.5357,
17.4009


 10.2685, 13.2321,
10.1816


 17.0646, 16.5165,
20.4020


 9.0893, 12.6638,
8.3366


 19.3234, 17.6099,
23.7158

 8.1003, 12.1880,
6.7541


 21.8205, 18.8193,
27.3512


 7.2915, 11.7997,
5.4222


 24.5628, 20.1481,
31.3164


 6.6520, 11.4935,
4.3282


 27.5567, 21.5994,
35.6195


 6.1694, 11.2635,
3.4578

 30.8083, 23.1761,
40.2683

 5.8301, 11.1029,
2.7958

 34.3238, 24.8813,
45.2701

 5.6000, 10.9945,
2.3238

 38.1088, 26.7178,
50.6324

Harmonies

Analogous

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



13.5476, 14.6633, 13.9125



13.2337, 14.6633, 14.7032



13.1079, 14.6633, 15.8670

Triad

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



13.2337, 14.6633, 14.7032



13.9025, 14.6633, 18.5139



14.7007, 14.6633, 14.8662

Complementary

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



13.2337, 14.6633, 14.7032



13.6676, 13.6415, 16.1007

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.



14.8004, 14.6633, 16.0651



13.2337, 14.6633, 14.7032



14.3339, 14.6633, 18.2118

Square

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



13.2337, 14.6633, 14.7032



13.4889, 14.6633, 18.1039



14.6648, 14.6633, 17.2988



14.3950, 14.6633, 14.0031

Rectangle

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



13.2337, 14.6633, 14.7032



13.1455, 14.6633, 16.7129



14.6648, 14.6633, 17.2988



14.7597, 14.6633, 15.2413

Sweetspot

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



13.2341, 14.6639, 14.7035



25.3541, 27.0579, 28.8139



14.0107, 15.0700, 14.4823



5.9128, 6.3027, 6.7242



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.



13.2341, 14.6639, 14.7035



23.1249, 25.9804, 25.4665



13.4339, 14.7439, 15.7558



3.0780, 3.4504, 3.3945



6.4802, 12.8262, 2.5738



32.8342, 65.2808, 12.1397

Inverse Universe

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



13.6676, 13.6415, 16.1007



24.0909, 23.7021, 28.5798



13.4629, 13.5596, 15.0225



3.2021, 3.1577, 3.7945



9.8062, 4.7746, 13.1398



49.7479, 24.2411, 65.8004

Previews

White Background



This preview shows how the XYZ color 13.2337, 14.6633, 14.7032 looks on a white background.

Color Contrast Check

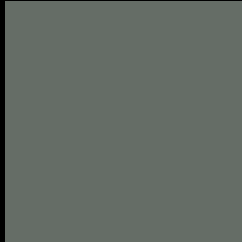
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2337, 14.6633, 14.7032 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

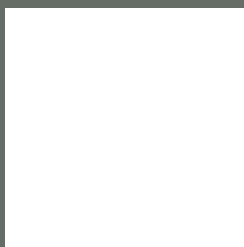
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2337, 14.6633, 14.7032

Background



This preview shows how black text looks on a background with the XYZ color 13.2337, 14.6633, 14.7032.



This preview shows how white text looks on a background with the XYZ color 13.2337, 14.6633,

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

13.2337, 14.6633, 14.7032

Protanopia

13.9334, 14.5627, 14.3884

Deuteranopia

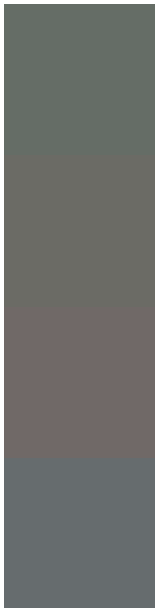
14.7696, 14.5313, 14.8583



Tritanopia

13.9457, 14.6368, 18.3098

Trichromacy



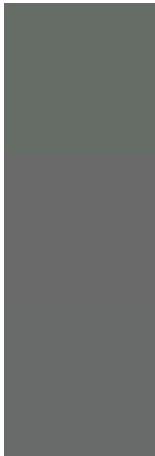
Original Color
13.2337, 14.6633, 14.7032

Protanomaly
13.6701, 14.5808, 14.4058

Deuteranomaly
14.1818, 14.5272, 14.8885

Tritanomaly
13.6565, 14.6757, 16.8648

Monochromacy



Original Color
13.2337, 14.6633, 14.7032

Achromatopsia
13.6994, 14.4128, 15.6956

Achromatomaly
13.5164, 14.4784, 15.4468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2337, 14.6633, 14.7032 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, 109, 102) looks like.

```
.text, #text, p{  
    color:rgb(101, 109, 102)  
}
```

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, 109, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 109, 102) }
```

Border

The CSS property to change the border of an element to XYZ 13.2337, 14.6633, 14.7032 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, 109, 102) }
```


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

```
.border{ border-color:rgb(101, 109, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 109, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 109, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 109, 102);  
box-shadow:4px 4px 4px 4px rgb(101, 109,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2337, 14.6633, 14.7032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 109, 102) }
```

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

```
.background{ background-color: rgb(101,  
109, 102) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor