

Converting Colors

XYZ(13.2649, 13.8382, 6.4318)

Have a look what the booklet for
XYZ(13.2649, 13.8382, 6.4318)
contains.

XYZ(13.2014, 13.7616, 6.3753)	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(13.2014, 13.7616,
6.3753)**

Conversions

Conversions Part 1

Format	Color
Hex	77663D
RGB	119, 102, 61
RGB Percent	47%, 40%, 24%
CMY	0.5333, 0.6000, 0.7608
CMYK	0.00, 0.14, 0.49, 0.53
HSL	42°, 32%, 35%
HSV	42°, 49%, 47%
XYZ	13.2014, 13.7616, 6.3753
YIQ	102.4090, 23.2930, -9.1470

Conversions

Conversions Part 2

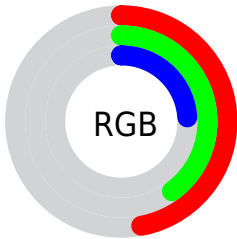
Format	Color
R_{YB}	85, 119, 61
Decimal	7824957
CIE _{Lab}	43.89, 0.80, 25.59
CIE _{LCh}	44, 25.607, 88.218
Yxy	13.7616, 0.3960, 0.4128
Android (android.graphics.Color)	4286015037 (0xFF77663D)
YUV	102.4090, -20.4146, 14.5503
Hunter-Lab	37.0966, -1.3972, 15.7783

Details

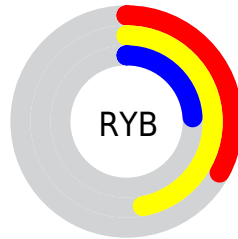
The XYZ color **13.2014, 13.7616, 6.3753** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.9785, 7.7724, 18.5324**, and the grayscale version is **12.7843, 13.4501, 14.6472**.

A 20% lighter version of the original color is **31.3851, 32.7708, 19.1392**, and **3.9216, 4.0381, 1.1030** is the 20% darker color. If you saturate the color by 10%, you get **12.5803, 12.9768, 4.7586**, and if you desaturate by 10%, it is **13.9087, 14.6050, 8.3721**.

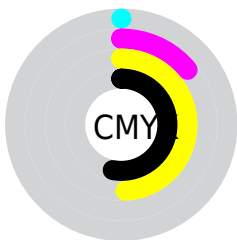
Distribution



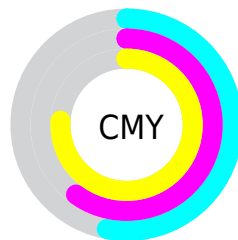
- Red (47%)
- Green (40%)
- Blue (24%)



- Red (33%)
- Yellow (47%)
- Blue (24%)



- Cyan (0%)
- Magenta (14%)
- Yellow (49%)
- Black (53%)



- Cyan (53%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2014, 13.7616, 6.3753 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 13.2014, 13.7616, 6.3753 by changing the saturation by 10% instead.

■ 13.2014, 13.7616,
6.3753

■ 13.2014, 13.7616,
6.3753

205.8160,
215.7426, 171.7961

■ 7.6453, 7.9550,
3.0021

■ 31.2634, 32.6654,
19.1960

■ 3.9187, 4.0662,
1.0957

■ 44.5000, 46.5315,
29.4806

■ 1.6563, 1.7107,
0.0000

■ 61.0275, 63.8528,
42.9061

■ 0.4287, 0.4305,
0.0000

■ 81.2113, 85.0138,
59.8911

■ 0.0000, 0.0000,
0.0000

■ 105.4167,
110.3989, 80.8540

■ 134.0090,

140.3925, 106.2134

167.3537,
175.3789, 136.3880

■ 13.2014, 13.7616,
6.3753

■ 13.2014, 13.7616,
6.3753

■ 12.5803, 12.9768,
4.7586

■ 13.9087, 14.6050,
8.3721

■ 12.0396, 12.2464,
3.4961

■ 14.7058, 15.5072,
10.7710

■ 11.5740, 11.5685,
2.5598

■ 15.5971, 16.4707,
13.5934

■ 11.1772, 10.9404,
1.9171

■ 16.5865, 17.4973,
16.8587

■ 10.8305, 10.3542,
1.4708

■ 17.6776, 18.5887,
20.5853

■ 10.7879, 10.2823,
1.4161

■ 18.8739, 19.7466,
24.7906

■ 20.1787, 20.9726,
29.4908

■ 21.5950, 22.2680,
34.7016

■ 23.1258, 23.6345,
40.4380

Harmonies

Analogous

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



15.2391, 13.7616, 7.3650



13.2014, 13.7616, 6.3753



11.3245, 13.7616, 7.1512

Triad

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



13.2014, 13.7616, 6.3753



9.9412, 13.7616, 20.8973



16.6757, 13.7616, 21.6558

Complementary

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



13.2014, 13.7616, 6.3753



7.9785, 7.7724, 18.5324

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.



15.0082, 13.7616, 27.1099



13.2014, 13.7616, 6.3753



11.1351, 13.7616, 26.5985

Square

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



13.2014, 13.7616, 6.3753



9.5624, 13.7616, 14.6401



12.9593, 13.7616, 29.1166



17.3691, 13.7616, 15.3334

Rectangle

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



13.2014, 13.7616, 6.3753



10.3868, 13.7616, 8.7160



12.9593, 13.7616, 29.1166



16.2026, 13.7616, 23.7068

Sweetspot

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



13.2017, 13.7622, 6.3756



28.5051, 30.0990, 26.2152



10.6661, 7.8153, 8.2296



6.6855, 7.0599, 5.9842



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.2017, 13.7622, 6.3756



22.4521, 23.1385, 8.3343



13.5507, 16.6812, 6.9206



3.8804, 4.0937, 3.9279



11.4531, 10.9075, 1.5017



55.0451, 51.6186, 7.0622

Inverse Universe

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



7.9785, 7.7724, 18.5324



11.9719, 11.1346, 32.7713



7.7160, 6.0704, 18.2177



3.5800, 3.7487, 4.6251



4.1646, 2.6689, 18.8382



19.6375, 11.6915, 91.5820

Previews

White Background



This preview shows how the XYZ color 13.2014, 13.7616, 6.3753 looks on a white background.

Color Contrast Check

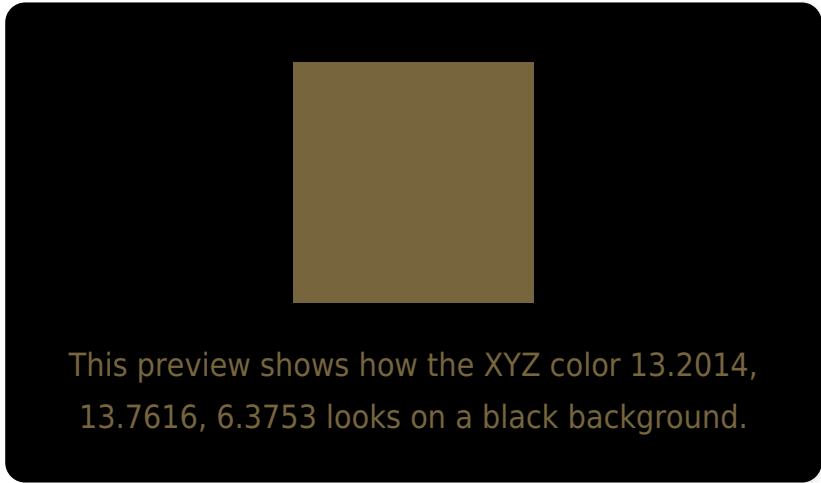
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.2014, 13.7616, 6.3753

Background



This preview shows how black text looks on a background with the XYZ color 13.2014, 13.7616, 6.3753.



This preview shows how white text looks on a background with the XYZ color 13.2014, 13.7616,

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

13.2014, 13.7616, 6.3753

Protanopia

12.7592, 13.8258, 6.5536

Deuteranopia

13.9355, 13.7071, 6.4687



Tritanopia

14.9418, 13.7598, 14.9651

Trichromacy



Original Color

13.2014, 13.7616, 6.3753

Protanomaly

12.9222, 13.7613, 6.5326

Deuteranomaly

13.5951, 13.6731, 6.4801

Tritanomaly

14.2493, 13.7658, 11.1386

Monochromacy



Original Color

13.2014, 13.7616, 6.3753

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6560, 13.3790, 10.9322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2014, 13.7616, 6.3753 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(119, 102, 61)` looks like.

```
.text, #text, p{  
    color:rgb(119, 102, 61)  
}
```

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(119, 102, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 102, 61) }
```

Border

The CSS property to change the border of an element to XYZ 13.2014, 13.7616, 6.3753 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(119, 102, 61) }
```


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

```
.border{ border-color:rgb(119, 102, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 102, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 102, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 102, 61);  
box-shadow:4px 4px 4px 4px rgb(119, 102,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2014, 13.7616, 6.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 102, 61) }
```

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

```
.background{ background-color: rgb(119,  
102, 61) }
```

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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