

Converting Colors

XYZ(13.6277, 14.6968, 9.6787)

Have a look what the booklet for
XYZ(13.6277, 14.6968, 9.6787)
contains.

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Color

**XYZ(13.6451, 14.6720,
9.7022)**

Conversions

Conversions Part 1

Format	Color
Hex	726B50
RGB	114, 107, 80
RGB Percent	45%, 42%, 31%
CMY	0.5529, 0.5804, 0.6863
CMYK	0.00, 0.06, 0.30, 0.55
HSL	48°, 18%, 38%
HSV	48°, 30%, 45%
XYZ	13.6451, 14.6720, 9.7022
YIQ	106.0150, 12.8390, -6.9130

Conversions

Conversions Part 2

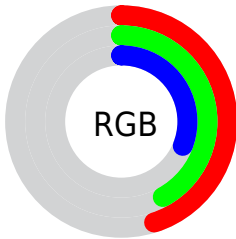
Format	Color
R_{YB}	89, 114, 80
Decimal	7498576
CIE Lab	45.18, -1.91, 16.16
CIE LCh	45, 16.267, 96.729
Yxy	14.6720, 0.3589, 0.3859
Android (android.graphics.Color)	4285688656 (0xFF726B50)
YUV	106.0150, -12.8254, 7.0028
Hunter-Lab	38.3040, -3.4448, 11.7950

Details

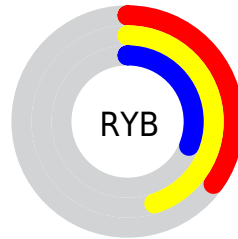
The XYZ color **13.6451, 14.6720, 9.7022** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.7536, 9.7365, 17.2849**, and the grayscale version is **13.7356, 14.4509, 15.7371**.

A 20% lighter version of the original color is **31.9152, 34.1457, 25.6775**, and **4.0992, 4.4769, 2.2382** is the 20% darker color. If you saturate the color by 10%, you get **13.0180, 14.0356, 7.5885**, and if you desaturate by 10%, it is **14.3511, 15.3516, 12.1952**.

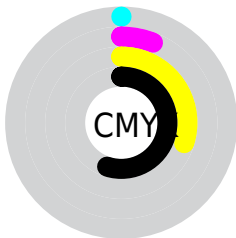
Distribution



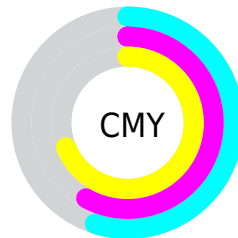
- Red (45%)
- Green (42%)
- Blue (31%)



- Red (35%)
- Yellow (45%)
- Blue (31%)



- Cyan (0%)
- Magenta (6%)
- Yellow (30%)
- Black (55%)



- Cyan (55%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6451, 14.6720, 9.7022 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 13.6451, 14.6720, 9.7022 by changing the saturation by 10% instead.

■ 13.6451, 14.6720,
9.7022

■ 13.6451, 14.6720,
9.7022

208.5668,
221.3722, 198.9402

■ 7.9543, 8.5895,
5.0989

■ 32.0495, 34.2767,
25.8328

■ 4.1173, 4.4744,
2.2457

■ 45.4938, 48.5678,
38.1973

■ 1.7687, 1.9423,
0.7005

■ 62.2534, 66.3638,
53.9859

■ 0.4987, 0.5736,
0.0000

■ 82.6935, 88.0492,
73.6172

■ 0.0000, 0.0000,
0.0000

■ 107.1795,
114.0083, 97.5098

136.0769,

144.6256, 126.0821

169.7508,
180.2854, 159.7527

■ 13.6451, 14.6720,
9.7022

■ 13.6451, 14.6720,
9.7022

■ 13.0180, 14.0356,
7.5885

■ 14.3511, 15.3516,
12.1952

■ 12.4650, 13.4388,
5.8342

■ 15.1383, 16.0739,
15.0843

■ 11.9825, 12.8807,
4.4189

■ 16.0102, 16.8409,
18.3864

■ 11.5661, 12.3594,
3.3199

■ 16.9698, 17.6538,
22.1171

■ 11.2109, 11.8729,
2.5115

■ 18.0201, 18.5140,
26.2911

■ 10.9113, 11.4188,
1.9641

■ 19.1636, 19.4224,
30.9226

■ 10.6459, 10.9885,
1.5657

■ 20.4031, 20.3804,
36.0250

■ 10.6412, 10.9810,
1.5587

■ 21.7411, 21.3889,
41.6112

■ 23.1798, 22.4489,
47.6937

Harmonies

Analogous

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



14.9899, 14.6720, 10.1023



13.6451, 14.6720, 9.7022



12.4582, 14.6720, 10.7538

Triad

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



13.6451, 14.6720, 9.7022



11.9776, 14.6720, 20.8153



16.4529, 14.6720, 19.0768

Complementary

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



13.6451, 14.6720, 9.7022



9.7536, 9.7365, 17.2849

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.



15.5462, 14.6720, 22.6611



13.6451, 14.6720, 9.7022



12.9504, 14.6720, 23.7720

Square

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



13.6451, 14.6720, 9.7022



11.5362, 14.6720, 16.8570



14.2499, 14.6720, 24.4966



16.6684, 14.6720, 15.1249

Rectangle

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



13.6451, 14.6720, 9.7022



11.8970, 14.6720, 12.2541



14.2499, 14.6720, 24.4966



16.2161, 14.6720, 20.3826

Sweetspot

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



13.6455, 14.6727, 9.7025



26.6889, 28.3242, 26.8307



11.5435, 10.0090, 10.4193



6.1334, 6.5155, 6.0601



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.



13.6455, 14.6727, 9.7025



23.1821, 24.9815, 14.3448



13.2170, 15.5789, 9.9000



3.5864, 3.8054, 3.6188



11.8338, 12.2001, 1.7311



58.3219, 59.5190, 8.4144

Inverse Universe

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



9.7536, 9.7365, 17.2849



15.1353, 14.7781, 30.0302



10.0869, 9.1077, 17.1460



3.2681, 3.4015, 4.2385



3.7216, 2.0335, 17.9180



18.0222, 9.0964, 89.0850

Previews

White Background



This preview shows how the XYZ color 13.6451, 14.6720, 9.7022 looks on a white background.

Color Contrast Check

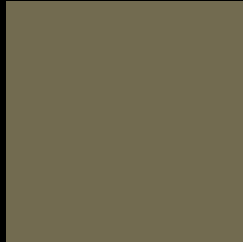
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6451, 14.6720, 9.7022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

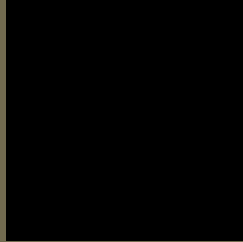
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6451, 14.6720, 9.7022

Background



This preview shows how black text looks on a background with the XYZ color 13.6451, 14.6720, 9.7022.



This preview shows how white text looks on a background with the XYZ color 13.6451, 14.6720,

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

13.6451, 14.6720, 9.7022

Protanopia

13.7759, 14.7394, 9.7083

Deuteranopia

14.9396, 14.7302, 9.8404



Tritanopia

15.1907, 14.6997, 17.0756

Trichromacy



Original Color

13.6451, 14.6720, 9.7022

Protanomaly

13.7759, 14.7394, 9.7083

Deuteranomaly

14.4616, 14.6323, 9.8467

Tritanomaly

14.5867, 14.6026, 14.1064

Monochromacy



Original Color

13.6451, 14.6720, 9.7022

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.6184, 14.4223, 13.3753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6451, 14.6720, 9.7022 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(114, 107, 80)` looks like.

```
.text, #text, p{  
    color:rgb(114, 107, 80)  
}
```

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(114, 107, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 107, 80) }
```

Border

The CSS property to change the border of an element to XYZ 13.6451, 14.6720, 9.7022 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(114, 107, 80) }
```


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

```
.border{ border-color:rgb(114, 107, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 107, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 107, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 107, 80);  
box-shadow:4px 4px 4px 4px rgb(114, 107,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6451, 14.6720, 9.7022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 107, 80) }
```

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

```
.background{ background-color: rgb(114,  
107, 80) }
```

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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