

Converting Colors

XYZ(13.2448, 13.4214, 9.6771)

Have a look what the booklet for
XYZ(13.2448, 13.4214, 9.6771)
contains.

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Color

**XYZ(13.2448, 13.4214,
9.6771)**

Conversions

Conversions Part 1

Format	Color
Hex	746451
RGB	116, 100, 81
RGB Percent	45%, 39%, 32%
CMY	0.5451, 0.6078, 0.6823
CMYK	0.00, 0.14, 0.30, 0.55
HSL	33°, 18%, 39%
HSV	33°, 30%, 45%
XYZ	13.2448, 13.4214, 9.6771
YIQ	102.6180, 15.6350, -2.5170

Conversions

Conversions Part 2

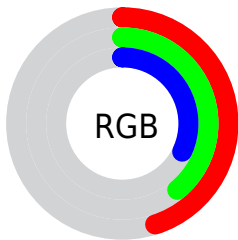
Format	Color
R_{YB}	110, 116, 81
Decimal	7627857
CIE Lab	43.39, 3.22, 13.15
CIE LCh	43, 13.535, 76.217
Yxy	13.4214, 0.3644, 0.3693
Android (android.graphics.Color)	4285817937 (0xFF746451)
YUV	102.6180, -10.6577, 11.7360
Hunter-Lab	36.6352, 0.4218, 9.9834

Details

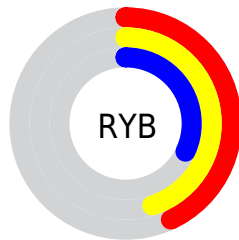
The XYZ color **13.2448, 13.4214, 9.6771** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8203, 11.5593, 18.1839**, and the grayscale version is **12.8159, 13.4833, 14.6833**.

A 20% lighter version of the original color is **31.4581, 32.1799, 25.6724**, and **3.9063, 3.8669, 2.2096** is the 20% darker color. If you saturate the color by 10%, you get **12.3544, 12.2783, 7.4145**, and if you desaturate by 10%, it is **14.2433, 14.6617, 12.3428**.

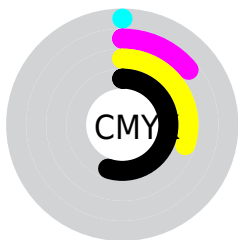
Distribution



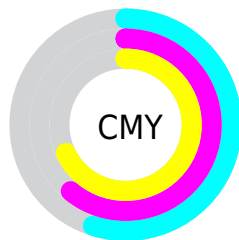
- Red (45%)
- Green (39%)
- Blue (32%)



- Red (43%)
- Yellow (45%)
- Blue (32%)



- Cyan (0%)
- Magenta (14%)
- Yellow (30%)
- Black (55%)



- Cyan (55%)
- Magenta (61%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2448, 13.4214, 9.6771 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 13.2448, 13.4214, 9.6771 by changing the saturation by 10% instead.

■ 13.2448, 13.4214,
9.6771

■ 13.2448, 13.4214,
9.6771

206.0867,
213.6010, 198.7520

■ 7.6755, 7.7194,
5.0826

■ 31.3405, 32.0588,
25.7846

■ 3.9381, 3.9159,
2.2362

■ 44.5975, 45.7629,
38.1347

■ 1.6672, 1.6266,
0.6952

■ 61.1479, 62.9033,
53.9071

■ 0.4356, 0.3755,
0.0000

■ 81.3569, 83.8641,
73.5203

■ 0.0000, 0.0000,
0.0000

■ 105.5900,
109.0299, 97.3928

134.2124,

138.7851, 125.9433

167.5895,
173.5140, 159.5902

■ 13.2448, 13.4214,
9.6771

■ 13.2448, 13.4214,
9.6771

■ 12.3544, 12.2783,
7.4145

■ 14.2433, 14.6617,
12.3428

■ 11.5668, 11.2278,
5.5340

■ 15.3530, 15.9999,
15.4294

■ 10.8774, 10.2676,
4.0141

■ 16.5782, 17.4391,
18.9547

■ 10.2812, 9.3944,
2.8307

■ 17.9224, 18.9819,
22.9352

■ 9.7722, 8.6050,
1.9565

■ 19.3893, 20.6303,
27.3866

■ 9.3439, 7.8955,
1.3604

■ 20.9822, 22.3868,
32.3237

■ 8.9789, 7.2658,
0.9292

■ 22.7042, 24.2534,
37.7608

■ 24.5585, 26.2321,
43.7116

■ 26.5480, 28.3251,
50.1892

Harmonies

Analogous

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



14.2086, 13.4214, 10.8164



13.2448, 13.4214, 9.6771



12.1998, 13.4214, 9.7256

Triad

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



13.2448, 13.4214, 9.6771



10.9107, 13.4214, 16.2925



14.2740, 13.4214, 19.0012

Complementary

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



13.2448, 13.4214, 9.6771



10.8203, 11.5593, 18.1839

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.



13.3301, 13.4214, 20.9141



13.2448, 13.4214, 9.6771



11.4072, 13.4214, 19.2094

Square

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



13.2448, 13.4214, 9.6771



10.8906, 13.4214, 13.2760



12.2806, 13.4214, 20.9952



14.8245, 13.4214, 16.0382

Rectangle

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



13.2448, 13.4214, 9.6771



11.5980, 13.4214, 10.4192



12.2806, 13.4214, 20.9952



13.9899, 13.4214, 19.8052

Sweetspot

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



13.2451, 13.4220, 9.6774



27.1824, 28.3560, 27.6735



12.3182, 10.4673, 12.7622



6.4262, 6.6952, 6.4361



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.2451, 13.4220, 9.6774



22.2071, 22.2203, 14.2545



14.7790, 16.7184, 10.2328



3.8333, 3.9996, 3.9122



10.0577, 8.1166, 1.0366



48.1475, 37.8235, 4.7630

Inverse Universe

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



10.8203, 11.5593, 18.1839



17.2383, 18.4044, 31.6884



9.5891, 8.9473, 17.7446



3.6257, 3.8400, 4.6403



4.9492, 4.2381, 19.0998



23.2819, 18.9805, 92.7968

Previews

White Background



This preview shows how the XYZ color 13.2448, 13.4214, 9.6771 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 13.2448, 13.4214, 9.6771 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 13.2448, 13.4214, 9.6771

Background



This preview shows how black text looks on a background with the XYZ color 13.2448, 13.4214, 9.6771.



This preview shows how white text looks on a background with the XYZ color 13.2448, 13.4214,

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

13.2448, 13.4214, 9.6771

Protanopia

12.5810, 13.3631, 9.8989

Deuteranopia

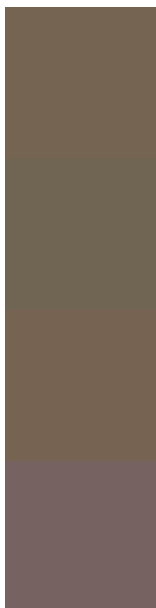
13.6928, 13.5108, 9.6707



Tritanopia

14.3811, 13.4708, 14.9389

Trichromacy



Original Color

13.2448, 13.4214, 9.6771

Protanomaly

12.8588, 13.3613, 9.8839

Deuteranomaly

13.5548, 13.4397, 9.6643

Tritanomaly

13.9502, 13.4314, 12.9236

Monochromacy



Original Color

13.2448, 13.4214, 9.6771

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0013, 13.5171, 12.7503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2448, 13.4214, 9.6771 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(116, 100, 81)` looks like.

```
.text, #text, p{  
    color:rgb(116, 100, 81)  
}
```

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(116, 100, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 100, 81) }
```

Border

The CSS property to change the border of an element to XYZ 13.2448, 13.4214, 9.6771 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(116, 100, 81) }
```


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

```
.border{ border-color:rgb(116, 100, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 100, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 100, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 100, 81);  
box-shadow:4px 4px 4px 4px rgb(116, 100,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2448, 13.4214, 9.6771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 100, 81) }
```

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

```
.background{ background-color: rgb(116,  
100, 81) }
```

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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