

Converting Colors

XYZ(13.7396, 13.3307, 8.8909)

Have a look what the booklet for
XYZ(13.7396, 13.3307, 8.8909)
contains.

XYZ(13.6403, 13.2228, 8.8545)	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(13.6403, 13.2228,
8.8545)**

Conversions

Conversions Part 1

Format	Color
Hex	7A614D
RGB	122, 97, 77
RGB Percent	48%, 38%, 30%
CMY	0.5216, 0.6196, 0.6980
CMYK	0.00, 0.20, 0.37, 0.52
HSL	27°, 23%, 39%
HSV	27°, 37%, 48%
XYZ	13.6403, 13.2228, 8.8545
YIQ	102.1950, 21.3200, -0.9200

Conversions

Conversions Part 2

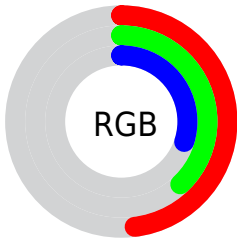
Format	Color
R_{YB}	122, 113, 77
Decimal	8020301
CIE _{Lab}	43.10, 7.05, 15.24
CIE _{LCh}	43, 16.793, 65.183
Yxy	13.2228, 0.3819, 0.3702
Android (android.graphics.Color)	4286210381 (0xFF7A614D)
YUV	102.1950, -12.4211, 17.3690
Hunter-Lab	36.3632, 3.3221, 11.0170

Details

The XYZ color **13.6403, 13.2228, 8.8545** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.3246, 12.4852, 20.2254**, and the grayscale version is **12.7082, 13.3700, 14.5599**.

A 20% lighter version of the original color is **32.0350, 31.8001, 24.1883**, and **4.1308, 3.8552, 1.9652** is the 20% darker color. If you saturate the color by 10%, you get **12.6497, 11.8675, 6.5948**, and if you desaturate by 10%, it is **14.7659, 14.7187, 11.5582**.

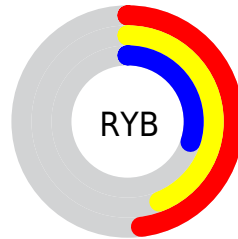
Distribution



Red (48%)

Green (38%)

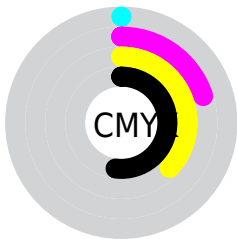
Blue (30%)



Red (48%)

Yellow (44%)

Blue (30%)

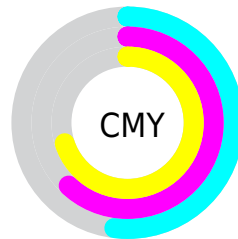


Cyan (0%)

Magenta (20%)

Yellow (37%)

Black (52%)



Cyan (52%)


Magenta (62%)


Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6403, 13.2228, 8.8545 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 13.6403, 13.2228, 8.8545 by changing the saturation by 10% instead.


 13.6403, 13.2228,
8.8545


 13.6403, 13.2228,
8.8545


208.5372,
212.3407, 192.4667


 7.9509, 7.5821,
4.5509


 32.0410, 31.7035,
24.1906


 4.1151, 3.8288,
1.9322

 45.4831, 45.3123,
36.0601


 1.7675, 1.5782,
0.5131

 62.2402, 62.3459,
51.2888

 0.4979, 0.3429,
0.0000

 82.6775, 83.1888,
70.2950

 0.0000, 0.0000,
0.0000

 107.1606,
108.2254, 93.4973

136.0546,

137.8399, 121.3144

169.7250,
172.4169, 154.1646

■ 13.6403, 13.2228,
8.8545

■ 13.6403, 13.2228,
8.8545

■ 12.6497, 11.8675,
6.5948

■ 14.7659, 14.7187,
11.5582

■ 11.7873, 10.6465,
4.7539

■ 16.0310, 16.3576,
14.7275

■ 11.0469, 9.5555,
3.3056

■ 17.4410, 18.1441,
18.3836

■ 10.4217, 8.5896,
2.2199

■ 19.0007, 20.0820,
22.5461

■ 9.9036, 7.7431,
1.4628

■ 20.7149, 22.1752,
27.2335

■ 9.4776, 7.0074,
0.9622

■ 22.5878, 24.4272,
32.4635

■ 9.3559, 6.7974,
0.8189

■ 24.6238, 26.8413,
38.2526

■ 26.8267, 29.4210,
44.6171

■ 29.2006, 32.1694,
51.5723

Harmonies

Analogous

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



14.7109, 13.2228, 10.6729



13.6403, 13.2228, 8.8545



12.3447, 13.2228, 8.4078

Triad

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



13.6403, 13.2228, 8.8545



10.2514, 13.2228, 15.0500



14.0551, 13.2228, 21.0345

Complementary

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



13.6403, 13.2228, 8.8545



11.3246, 12.4852, 20.2254

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.



12.7937, 13.2228, 22.7143



13.6403, 13.2228, 8.8545



10.6438, 13.2228, 18.9009

Square

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



13.6403, 13.2228, 8.8545



10.4441, 13.2228, 11.6114



11.5532, 13.2228, 21.8734



14.9616, 13.2228, 17.5967

Rectangle

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



13.6403, 13.2228, 8.8545



11.5396, 13.2228, 8.8684



11.5532, 13.2228, 21.8734



13.6555, 13.2228, 21.8481

Sweetspot

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



13.6406, 13.2234, 8.8548



29.5653, 30.5116, 29.4170



13.1032, 10.4147, 14.0205



6.7008, 6.9014, 6.5724



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.



13.6406, 13.2234, 8.8548



22.5554, 21.2956, 12.2710



15.9625, 17.8671, 9.6287



4.1313, 4.2811, 4.2331



9.8422, 7.1403, 0.8595



46.1261, 32.4156, 3.8257

Inverse Universe

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



11.3246, 12.4852, 20.2254



17.8680, 19.7979, 35.2725



9.4422, 8.7204, 19.5979



3.9650, 4.2283, 5.0503



5.8518, 5.7861, 20.1937



27.0544, 25.8815, 96.0395

Previews

White Background



This preview shows how the XYZ color 13.6403, 13.2228, 8.8545 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 13.6403, 13.2228, 8.8545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

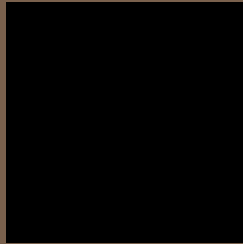
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6403, 13.2228, 8.8545

Background



This preview shows how black text looks on a background with the XYZ color 13.6403, 13.2228, 8.8545.



This preview shows how white text looks on a background with the XYZ color 13.6403, 13.2228,

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

13.6403, 13.2228, 8.8545

Protanopia

12.4693, 13.3185, 9.3107

Deuteranopia

13.4530, 13.2643, 8.8724



Tritanopia

14.6638, 13.2301, 14.0927

Trichromacy



Original Color

13.6403, 13.2228, 8.8545

Protanomaly

12.8717, 13.2418, 9.0852

Deuteranomaly

13.5924, 13.3361, 8.8789

Tritanomaly

14.1924, 13.1681, 11.9189

Monochromacy



Original Color

13.6403, 13.2228, 8.8545

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8396, 13.1559, 12.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6403, 13.2228, 8.8545 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(122, 97, 77)` looks like.

```
.text, #text, p{  
    color:rgb(122, 97, 77)  
}
```

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(122, 97, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 97, 77) }
```

Border

The CSS property to change the border of an element to XYZ 13.6403, 13.2228, 8.8545 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(122, 97, 77) }
```


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

```
.border{ border-color:rgb(122, 97, 77) }
```

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

Here you see how a box with a 4 pixel rgb(122, 97, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 97, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 97, 77);  
box-shadow:4px 4px 4px 4px rgb(122, 97,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6403, 13.2228, 8.8545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 97, 77) }
```

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

```
.background{ background-color: rgb(122, 97,  
77) }
```

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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