

Converting Colors

XYZ(12.6511, 12.4477, 8.0276)

Have a look what the booklet for
XYZ(12.6511, 12.4477, 8.0276)
contains.

XYZ(12.6309, 12.4474, 8.0402)	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(12.6309, 12.4474,
8.0402)**

Conversions

Conversions Part 1

Format	Color
Hex	755F49
RGB	117, 95, 73
RGB Percent	46%, 37%, 29%
CMY	0.5412, 0.6274, 0.7137
CMYK	0.00, 0.19, 0.38, 0.54
HSL	30°, 23%, 37%
HSV	30°, 38%, 46%
XYZ	12.6309, 12.4474, 8.0402
YIQ	99.0700, 20.1740, -2.1780

Conversions

Conversions Part 2

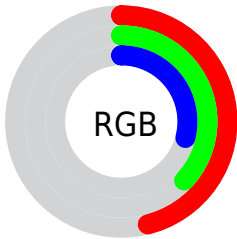
Format	Color
R_{YB}	117, 117, 73
Decimal	7692105
CIE Lab	41.92, 5.50, 15.95
CIE LCh	42, 16.876, 70.961
Yxy	12.4474, 0.3814, 0.3758
Android (android.graphics.Color)	4285882185 (0xFF755F49)
YUV	99.0700, -12.8525, 15.7246
Hunter-Lab	35.2809, 2.1632, 11.1849

Details

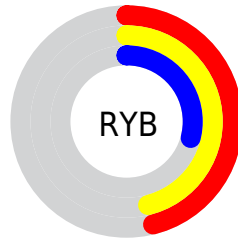
The XYZ color **12.6309, 12.4474, 8.0402** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.0505, 10.8847, 18.4007**, and the grayscale version is **11.9055, 12.5255, 13.6402**.

A 20% lighter version of the original color is **30.2158, 30.2020, 22.6494**, and **3.6348, 3.4786, 1.6423** is the 20% darker color. If you saturate the color by 10%, you get **11.7717, 11.2925, 6.0167**, and if you desaturate by 10%, it is **13.6033, 13.7118, 10.4618**.

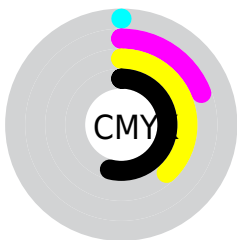
Distribution



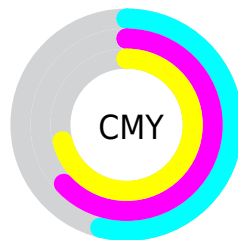
- Red (46%)
- Green (37%)
- Blue (29%)



- Red (46%)
- Yellow (46%)
- Blue (29%)



- Cyan (0%)
- Magenta (19%)
- Yellow (38%)
- Black (54%)





- Cyan (54%)
- Magenta (63%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6309, 12.4474, 8.0402 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 12.6309, 12.4474, 8.0402 by changing the saturation by 10% instead.

 12.6309, 12.4474,
8.0402

 12.6309, 12.4474,
8.0402


202.2242,
207.3451, 185.9933


 7.2501, 7.0491,
4.0325


 30.2461, 30.3074,
22.5847


 3.6667, 3.4929,
1.6432

 43.2111, 43.5379,
33.9586


 1.5154, 1.3941,
0.3214

 59.4350, 60.1479,
48.6250

 0.3363, 0.2124,
0.0000

 79.2831, 80.5219,
67.0024

 0.0000, 0.0000,
0.0000

 103.1207,
105.0442, 89.5094

131.3132,

134.0993, 116.5646

164.2259,
168.0714, 148.5864

■ 12.6309, 12.4474,
8.0402

■ 12.6309, 12.4474,
8.0402

■ 11.7717, 11.2925,
6.0167

■ 13.6033, 13.7118,
10.4618

■ 11.0199, 10.2421,
4.3688

■ 14.6925, 15.0871,
13.3011

■ 10.3702, 9.2930,
3.0725

■ 15.9033, 16.5770,
16.5770

■ 9.8168, 8.4414,
2.1011

■ 17.2398, 18.1844,
20.3073

■ 9.3529, 7.6832,
1.4236

■ 18.7057, 19.9120,
24.5086

■ 8.9625, 7.0102,
0.9612

■ 20.3049, 21.7625,
29.1968

■ 8.8749, 6.8595,
0.8563

■ 22.0409, 23.7386,
34.3869

■ 23.9170, 25.8426,
40.0935

■ 25.9365, 28.0771,
46.3303

Harmonies

Analogous

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



13.7367, 12.4474, 9.5293



12.6309, 12.4474, 8.0402



11.3805, 12.4474, 7.8646

Triad

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



12.6309, 12.4474, 8.0402



9.6283, 12.4474, 14.9020



13.4744, 12.4474, 19.4322

Complementary

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



12.6309, 12.4474, 8.0402



10.0505, 10.8847, 18.4007

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.



12.2930, 12.4474, 21.4799



12.6309, 12.4474, 8.0402



10.1100, 12.4474, 18.5749

Square

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



12.6309, 12.4474, 8.0402



9.7048, 12.4474, 11.4330



11.0654, 12.4474, 21.1412



14.2468, 12.4474, 15.9203

Rectangle

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



12.6309, 12.4474, 8.0402



10.6390, 12.4474, 8.4736



11.0654, 12.4474, 21.1412



13.1086, 12.4474, 20.3403

Sweetspot

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



12.6312, 12.4480, 8.0405



27.6552, 28.6793, 27.4340



11.7842, 9.3733, 12.0147



6.3072, 6.5309, 6.1686



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.



12.6312, 12.4480, 8.0405



21.2899, 20.5087, 11.2548



14.8999, 16.9854, 8.7967



3.8212, 3.9753, 3.9082



9.7627, 7.5267, 0.9382



46.7181, 34.9648, 4.2866

Inverse Universe

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



10.0505, 10.8847, 18.4007



15.9651, 17.2832, 32.6315



8.3412, 7.4661, 17.8310



3.6378, 3.8642, 4.6444



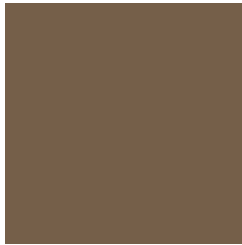
5.2166, 4.7730, 19.1889



24.5646, 21.5457, 93.2243

Previews

White Background



This preview shows how the XYZ color 12.6309, 12.4474, 8.0402 looks on a white background.

Color Contrast Check

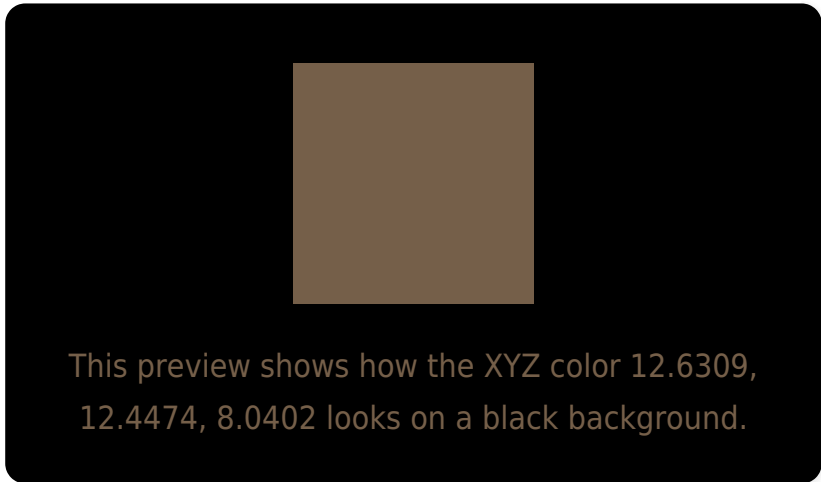
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6309, 12.4474, 8.0402

Background



This preview shows how black text looks on a background with the XYZ color 12.6309, 12.4474, 8.0402.



This preview shows how white text looks on a background with the XYZ color 12.6309, 12.4474,

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

12.6309, 12.4474, 8.0402

Protanopia

11.6757, 12.4959, 8.4532

Deuteranopia

12.6309, 12.4474, 8.0402



Tritanopia

13.8250, 12.5482, 13.4978

Trichromacy



Original Color

12.6309, 12.4474, 8.0402

Protanomaly

12.0341, 12.5448, 8.2657

Deuteranomaly

12.6309, 12.4474, 8.0402

Tritanomaly

13.3676, 12.4888, 11.3789

Monochromacy



Original Color

12.6309, 12.4474, 8.0402

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1570, 12.5377, 11.4521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6309, 12.4474, 8.0402 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(117, 95, 73)` looks like.

```
.text, #text, p{  
    color:rgb(117, 95, 73)  
}
```

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(117, 95, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 95, 73) }
```

Border

The CSS property to change the border of an element to XYZ 12.6309, 12.4474, 8.0402 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(117, 95, 73) }
```


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

```
.border{ border-color:rgb(117, 95, 73) }
```

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

Here you see how a box with a 4 pixel rgb(117, 95, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 95, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 95, 73);  
box-shadow:4px 4px 4px 4px rgb(117, 95,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6309, 12.4474, 8.0402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 95, 73) }
```

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

```
.background{ background-color: rgb(117, 95,  
73) }
```

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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