

Converting Colors

XYZ(12.4640, 9.8488, 2.0547)

Have a look what the booklet for
XYZ(12.4640, 9.8488, 2.0547)
contains.

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Color

**XYZ(12.4637, 9.8475,
2.0545)**

Conversions

Conversions Part 1

Format	Color
Hex	874817
RGB	135, 72, 23
RGB Percent	53%, 28%, 9%
CMY	0.4706, 0.7176, 0.9098
CMYK	0.00, 0.47, 0.83, 0.47
HSL	26°, 71%, 31%
HSV	26°, 83%, 53%
XYZ	12.4637, 9.8475, 2.0545
YIQ	85.2510, 53.2770, -1.8830

Conversions

Conversions Part 2

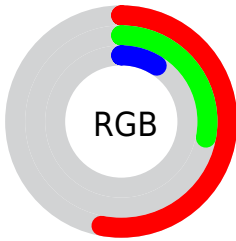
Format	Color
R_{YB}	135, 110, 23
Decimal	8865815
CIE _{Lab}	37.57, 23.13, 39.11
CIE _{LCh}	38, 45.439, 59.402
Y _{xy}	9.8475, 0.5115, 0.4042
Android (android.graphics.Color)	4287055895 (0xFF874817)
YUV	85.2510, -30.6897, 43.6299
Hunter-Lab	31.3807, 15.9798, 18.0848

Details

The XYZ color **12.4637, 9.8475, 2.0545** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **8.0541, 8.5866, 24.1544**, and the grayscale version is **8.7422, 9.1975, 10.0160**.

A 20% lighter version of the original color is **29.9352, 25.4544, 9.1298**, and **3.6777, 2.4443, 0.2780** is the 20% darker color. If you saturate the color by 10%, you get **11.9003, 8.8850, 1.3606**, and if you desaturate by 10%, it is **13.1571, 10.9599, 3.1316**.

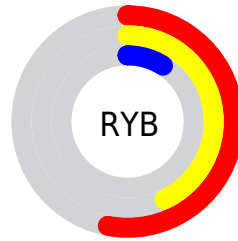
Distribution



Red (53%)

Green (28%)

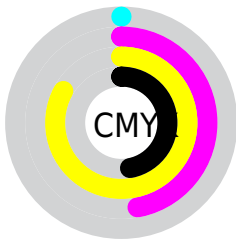
Blue (9%)



Red (53%)

Yellow (43%)

Blue (9%)

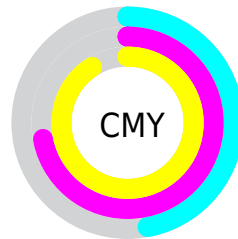


Cyan (0%)

Magenta (47%)

Yellow (83%)

Black (47%)



Cyan (47%)

Magenta (72%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4637, 9.8475, 2.0545 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 12.4637, 9.8475, 2.0545 by changing the saturation by 10% instead.

12.4637, 9.8475,
2.0545

12.4637, 9.8475,
2.0545

201.1592,
189.5802, 123.2174

7.1347, 5.2980,
0.5885

29.9465, 25.5083,
9.1893

3.5936, 2.4231,
0.0000

42.8310, 37.3883,
15.7418

1.4749, 0.8377,
0.0000

58.9647, 52.4806,
24.8425

0.3087, 0.0000,
0.0000

78.7130, 71.1696,
36.9099


0.0000, 0.0000,
0.0000


102.4413, 93.8396,
52.3626


130.5148,


120.8751, 71.6190


 163.2990,
152.6605, 95.0978


 12.4637, 9.8475,
2.0545


 12.4637, 9.8475,
2.0545


 11.9003, 8.8850,
1.3606


 13.1571, 10.9599,
3.1316

 11.5590, 8.2856,
0.9901

 13.9910, 12.2285,
4.6408

 14.9757, 13.6610,
6.6241

 16.1198, 15.2639,
9.1182

 17.4313, 17.0432,
12.1562

■ 18.9176, 19.0049,
15.7685

■ 20.5857, 21.1542,
19.9830

■ 22.4419, 23.4966,
24.8259

■ 24.4926, 26.0368,
30.3219

Harmonies

Analogous

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



15.0465, 9.8475, 4.6783



12.4637, 9.8475, 2.0545



9.4175, 9.8475, 1.4059

Triad

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



12.4637, 9.8475, 2.0545



4.8502, 9.8475, 10.5579



12.3432, 9.8475, 31.2638

Complementary

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



12.4637, 9.8475, 2.0545



8.0541, 8.5866, 24.1544

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.



9.3022, 9.8475, 35.6095



12.4637, 9.8475, 2.0545



5.3238, 9.8475, 20.5194

Square

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



12.4637, 9.8475, 2.0545



5.3635, 9.8475, 4.5156



6.8193, 9.8475, 30.9278



14.9675, 9.8475, 20.9636

Rectangle

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



12.4637, 9.8475, 2.0545



7.6415, 9.8475, 1.6506



6.8193, 9.8475, 30.9278



11.3181, 9.8475, 33.6480

Sweetspot

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



12.4639, 9.8480, 2.0547



33.1556, 33.0895, 26.4558



11.9966, 6.4432, 9.5145



7.4879, 7.4122, 5.6621



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.4639, 9.8480, 2.0547



20.5459, 14.5297, 1.7216



17.8047, 20.5295, 3.8349



4.8278, 4.9991, 4.9398



10.6718, 7.6662, 0.9173



0.0440, 0.0407, 0.0055

Inverse Universe

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



8.0541, 8.5866, 24.1544



12.2902, 12.0500, 42.7265



5.2028, 2.8839, 23.2039



4.6355, 4.9467, 5.9112



6.4250, 6.3978, 22.0330



0.0295, 0.0367, 0.0788

Previews

White Background



This preview shows how the XYZ color 12.4637, 9.8475, 2.0545 looks on a white background.

Color Contrast Check

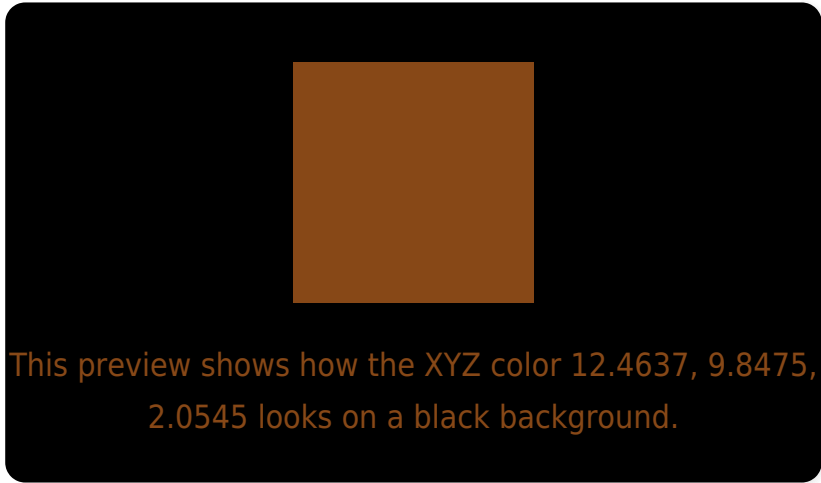
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.4637, 9.8475, 2.0545

Background



This preview shows how black text looks on a background with the XYZ color 12.4637, 9.8475, 2.0545.



This preview shows how white text looks on a background with the XYZ color 12.4637, 9.8475,

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

12.4637, 9.8475, 2.0545

Protanopia

9.0257, 9.9332, 2.4785

Deuteranopia

9.9536, 9.8259, 1.9023



Tritanopia

13.4934, 9.8006, 7.3114

Trichromacy



Original Color

12.4637, 9.8475, 2.0545

Protanomaly

10.0898, 9.7718, 2.3316

Deuteranomaly

10.7319, 9.7774, 1.9377

Tritanomaly

12.9473, 9.7568, 4.6909

Monochromacy



Original Color

12.4637, 9.8475, 2.0545

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.3317, 8.9687, 5.7967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4637, 9.8475, 2.0545 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(135, 72, 23)` looks like.

```
.text, #text, p{  
    color:rgb(135, 72, 23)  
}
```

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(135, 72, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 72, 23) }
```

Border

The CSS property to change the border of an element to XYZ 12.4637, 9.8475, 2.0545 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(135, 72, 23) }
```


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

```
.border{ border-color:rgb(135, 72, 23) }
```

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

Here you see how a box with a 4 pixel rgb(135, 72, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 72, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 72, 23);  
box-shadow:4px 4px 4px 4px rgb(135, 72,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4637, 9.8475, 2.0545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 72, 23) }
```

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

```
.background{ background-color: rgb(135, 72,  
23) }
```

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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