

Converting Colors

XYZ(15.5701, 12.2989, 3.9728)

Have a look what the booklet for
XYZ(15.5701, 12.2989, 3.9728)
contains.

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Color

**XYZ(15.6098, 12.3626,
3.9464)**

Conversions

Conversions Part 1

Format	Color
Hex	94512C
RGB	148, 81, 44
RGB Percent	58%, 32%, 17%
CMY	0.4196, 0.6823, 0.8274
CMYK	0.00, 0.45, 0.70, 0.42
HSL	21°, 54%, 38%
HSV	21°, 70%, 58%
XYZ	15.6098, 12.3626, 3.9464
YIQ	96.8150, 51.8090, 2.6970

Conversions

Conversions Part 2

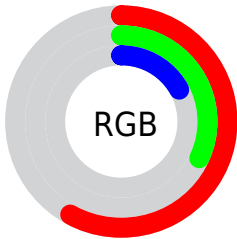
Format	Color
R_{YB}	148, 101, 44
Decimal	9720108
CIE _{Lab}	41.79, 24.73, 33.44
CIE _{LCh}	42, 41.597, 53.515
Yxy	12.3626, 0.4890, 0.3873
Android (android.graphics.Color)	4287910188 (0xFF94512C)
YUV	96.8150, -26.0378, 44.8892
Hunter-Lab	35.1605, 17.7157, 17.9577

Details

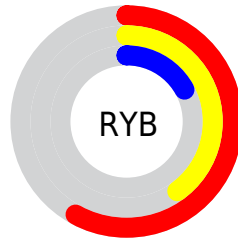
The XYZ color **15.6098, 12.3626, 3.9464** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.0681, 14.0417, 30.0911**, and the grayscale version is **11.3702, 11.9623, 13.0269**.

A 20% lighter version of the original color is **35.4582, 30.1097, 13.8404**, and **4.9857, 3.4194, 0.3972** is the 20% darker color. If you saturate the color by 10%, you get **14.7202, 10.9521, 2.5136**, and if you desaturate by 10%, it is **16.6987, 14.0131, 5.9354**.

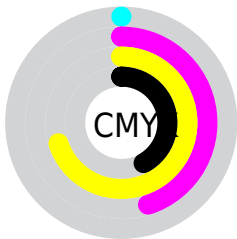
Distribution



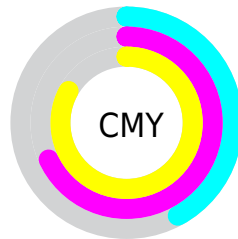
- Red (58%)
- Green (32%)
- Blue (17%)



- Red (58%)
- Yellow (40%)
- Blue (17%)



- Cyan (0%)
- Magenta (45%)
- Yellow (70%)
- Black (42%)



- Cyan (42%)
- Magenta (68%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6098, 12.3626, 3.9464 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 15.6098, 12.3626, 3.9464 by changing the saturation by 10% instead.

■ 15.6098, 12.3626,
3.9464

■ 15.6098, 12.3626,
3.9464

220.3440,
206.7912, 147.6277

■ 9.3376, 6.9911,
1.5960

■ 35.4824, 30.1538,
13.8860

■ 5.0209, 3.4566,
0.2880

■ 49.8135, 43.3423,
22.3122

■ 2.2944, 1.3745,
0.0000

■ 67.5615, 59.9053,
33.6007

■ 0.7918, 0.1978,
0.0000

■ 89.0919, 80.2272,
48.1702

■ 0.0000, 0.0000,
0.0000

■ 114.7700,
104.6923, 66.4391

■ 144.9612,

133.6851, 88.8259

180.0307,
167.5900, 115.7493

■ 15.6098, 12.3626,
3.9464

■ 15.6098, 12.3626,
3.9464

■ 14.7202, 10.9521,
2.5136

■ 16.6987, 14.0131,
5.9354

■ 14.0139, 9.7670,
1.5765

■ 17.9995, 15.9132,
8.5313

■ 13.4703, 8.8111,
0.9907

■ 19.5244, 18.0743,
11.7796

■ 21.2846, 20.5064,
15.7213

■ 23.2903, 23.2189,
20.3941

■ 25.5511, 26.2208,
25.8328

■ 28.0761, 29.5206,
32.0700

■ 30.8739, 33.1266,
39.1365

■ 33.9527, 37.0465,
47.0613

Harmonies

Analogous

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



18.0172, 12.3626, 7.7922



15.6098, 12.3626, 3.9464



12.4277, 12.3626, 2.6972

Triad

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



15.6098, 12.3626, 3.9464



6.8179, 12.3626, 11.6451



14.2591, 12.3626, 35.5941

Complementary

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



15.6098, 12.3626, 3.9464



12.0681, 14.0417, 30.0911

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.



11.0979, 12.3626, 38.1229



15.6098, 12.3626, 3.9464



7.1366, 12.3626, 21.3706

Square

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



15.6098, 12.3626, 3.9464



7.6242, 12.3626, 5.7186



8.5859, 12.3626, 32.0758



17.1475, 12.3626, 26.1804

Rectangle

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



15.6098, 12.3626, 3.9464



10.4275, 12.3626, 2.8220



8.5859, 12.3626, 32.0758



13.1805, 12.3626, 37.4087

Sweetspot

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



15.6101, 12.3633, 3.9466



40.6651, 40.3927, 34.9687



16.0158, 9.2583, 16.1557



9.0753, 8.9413, 7.4945



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.6101, 12.3633, 3.9466



25.2609, 18.1458, 3.4399



20.9729, 23.0889, 5.7342



5.9596, 6.1330, 6.1101



11.5297, 7.5739, 0.8542



0.1671, 0.1446, 0.0191

Inverse Universe

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



12.0681, 14.0417, 30.0911



18.5222, 21.1328, 52.5374



7.9791, 5.8637, 28.7281



5.7923, 6.2185, 7.3647



8.1137, 8.9222, 25.2256



0.1272, 0.1650, 0.3180

Previews

White Background



This preview shows how the XYZ color 15.6098, 12.3626, 3.9464 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 15.6098, 12.3626, 3.9464 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 15.6098, 12.3626, 3.9464

Background



This preview shows how black text looks on a background with the XYZ color 15.6098, 12.3626, 3.9464.



This preview shows how white text looks on a background with the XYZ color 15.6098, 12.3626,

3.9464.

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

15.6098, 12.3626, 3.9464

Protanopia

11.4680, 12.4690, 4.8199

Deuteranopia

12.5713, 12.3765, 3.8241



Tritanopia

16.7545, 12.4010, 9.4932

Trichromacy



Original Color

15.6098, 12.3626, 3.9464

Protanomaly

12.6728, 12.1528, 4.4741

Deuteranomaly

13.5060, 12.2175, 3.8368

Tritanomaly

16.1622, 12.2557, 6.9826

Monochromacy



Original Color

15.6098, 12.3626, 3.9464

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.3187, 11.7452, 8.8255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6098, 12.3626, 3.9464 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(148, 81, 44)` looks like.

```
.text, #text, p{  
    color:rgb(148, 81, 44)  
}
```

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(148, 81, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 81, 44) }
```

Border

The CSS property to change the border of an element to XYZ 15.6098, 12.3626, 3.9464 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(148, 81, 44) }
```


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

```
.border{ border-color:rgb(148, 81, 44) }
```

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

Here you see how a box with a 4 pixel rgb(148, 81, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 81, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 81, 44);  
box-shadow:4px 4px 4px 4px rgb(148, 81,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6098, 12.3626, 3.9464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 81, 44) }
```

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

```
.background{ background-color: rgb(148, 81,  
44) }
```

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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